COMMON CORE STATE STANDARDS for

Literacy in All Subjects

Wisconsin Department of Public Instruction
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Tony Evers, PhD, State Superintendent

Madison, Wisconsin
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Wisconsin’s Approach to Academic Standards
Foreword


The adoption of the Common Core State Standards capped a one year effort led by the Council of Chief State School Officers (CCSSO) and the National Governors Association Center for Best Practices (NGA) to define K-12 academic standards that are aligned with college and work expectations, inclusive of rigorous content and application, and are internationally benchmarked. Staff from state departments of education reviewed and provided feedback on early drafts leading to a public comment period for citizens and educators. As of June 2011, 42 states have adopted the Common Core State Standards in this voluntary effort to bring academic consistency across the states.

Adoption of the standards, however, is the easy task. Implementing them through engaging instruction coupled with rigorous learning activities and assessment is the hard work. I applaud the efforts that are underway at the DPI, local school districts, Cooperative Educational Service Agencies (CESAs), professional organizations, and colleges and universities to bring the Common Core State Standards to teachers across Wisconsin.

The first step to implementation requires that teachers know and understand the Common Core State Standards. This document provides guidance on the relationship between the Common Core State Standards and our vision of Every Child a Graduate, supporting all students through Response to Intervention, and the responsibility that all teachers have for developing reading, writing, thinking, speaking, and listening skills.

One of the most distinguishing features of the Common Core State Standards is the emphasis directed to literacy in all of the disciplines. For students to be career and college ready, they must be proficient in reading and writing complex informational and technical text. This means that instruction in every classroom focuses on both the content and the reading and writing skills that students need to demonstrate learning in the discipline.

To support and ensure implementation, we will partner with school districts, universities, professional organizations, CESAs, and CCSSO to develop curriculum resources and highlight effective practices. Wisconsin educators are the best, both in their content knowledge and commitment to high-quality instruction. Combining helpful resources with effective practices used by quality educators leads to success for Wisconsin students.

Tony Evers, PhD
State Superintendent

“The adoption of Common Core State Standards defines K-12 academic standards that are aligned with college and work expectations, inclusive of rigorous content and application.”
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Finally, a special thanks to Wisconsin educators and citizens who provided public comment and feedback to drafts of the Common Core State Standards, served on statewide standards leadership groups, and supported implementation of standards.

Purpose of the Document

To assist Wisconsin education stakeholders in understanding and implementing the Common Core State Standards (CCSS), Wisconsin Department of Public Instruction (DPI) has developed guidance to be used along with the CCSS. These materials are intended to provide further direction and should not be viewed as administrative rule. This publication provides a vision for student success, guiding principles for teaching and learning, and locates the standards within a multi-level system of support where high quality instruction, balanced assessment, and collaboration function together for student learning. Information on the design and content of the CCSS is included, as is a guide to assist with facilitating local conversations about these internationally-benchmarked standards and how they impact instruction.
Aligning for Student Success

To build and sustain schools that support every student in achieving success, educators must work together with families, community members, and business partners to connect the most promising practices in the most meaningful contexts. Major statewide initiatives focus on high school graduation, Response to Intervention (RtI), and the Common Core State Standards for English Language Arts, Disciplinary Literacy, and Mathematics. While these are often viewed as separate efforts or initiatives, each of them is connected to a larger vision of every child graduating college and career ready. The graphic below illustrates how these initiatives function together for a common purpose. Here, the vision and set of guiding principles form the foundation for building a supportive process for teaching and learning rigorous and relevant content. The following sections articulate this integrated approach to increasing student success in Wisconsin schools and communities.

A Vision: Every Child a Graduate

In Wisconsin, we are committed to ensuring every child is a graduate who has successfully completed a rigorous, meaningful, 21st century education that will prepare him or her for careers, college and citizenship. Though our public education system continues to earn nation-leading graduation rates, a fact we can be proud of, one in ten students drop out of school, achievement gaps are too large, and overall achievement could be even higher. This vision for every child a graduate guides our beliefs and approaches to education in Wisconsin.

Guided By Principles

All educational initiatives are guided and impacted by important and often unstated attitudes or principles for teaching and learning. The Guiding Principles for Teaching and Learning emerge from research and provide the touchstone for practices that truly affect the vision of every child a graduate prepared for college and career. When made transparent, these principles inform what happens in the classroom, the implementation and evaluation of programs, and most important, remind us of our own beliefs and expectations for students.
Ensuring a Process for Student Success

To ensure that every child in Wisconsin graduates prepared for college and career, schools need to provide high quality instruction, balanced assessment and collaboration reflective of culturally responsive practices. The Wisconsin Response to Intervention (RtI) framework helps to organize the components of a system designed to support student learning. Below, the three essential elements of high quality instruction, balanced assessment and collaboration interact within a multi-level system of support to ensure each student receives what he or she needs to access higher levels of academic and behavioral success.

At the school or district level, programs, initiatives and practices related to high quality instruction, balanced assessment and collaboration can be more powerful when organized or braided to function systemically to support all students. The focus must be on a comprehensive approach to student learning.

Connecting to Content: The Common Core State Standards

Within this vision for increased student success, rigorous, internationally-benchmarked academic standards provide the content for high quality curriculum and instruction, and for a balanced assessment system aligned to those standards. With the adoption of the CCSS, Wisconsin has the tools to build world-class curriculum, instruction and assessments for greater student learning. The CCSS articulate what we teach so that educators can focus on how instruction can best meet the needs of each student. When implemented within a multi-level system of support, the CCSS can help to ensure that every child will graduate prepared for college, work and a meaningful life.

“Educators must work together with families, community members, and business partners to connect the most promising practices in the most meaningful contexts.”
Guiding Principles for Teaching and Learning

These guiding principles are the underpinnings of effective teaching and learning for every Wisconsin teacher and every Wisconsin student. They are larger than any one initiative, process or set of standards. Rather, they are the lens we look through as we identify teaching and learning standards, design assessments and determine what good instruction looks like. These principles recognize that every student has the right to learn and are built upon three essential elements: high quality instruction, balanced assessment, and collaboration. They are meant to align with academic excellence, rigorous instruction, and college and career readiness for every Wisconsin student. For additional research, resources and probing questions to support professional learning on the six principles, please see the Wisconsin Research and Resources section of this document.

Every student has the right to learn.
It is our collective responsibility as an education community to make certain each child receives a high-quality, challenging education designed to maximize potential, an education that reflects and stretches his or her abilities and interests. This belief in the right of every child to learn forms the basis of equitable teaching and learning. The five principles that follow cannot exist without this commitment guiding our work.

Instruction must be rigorous and relevant.
To understand the world in which we live, there are certain things we all must learn. Each school subject is made up of a core of essential knowledge that is deep, rich, and vital. Every student, regardless of age or ability, must be taught this essential knowledge. What students learn is fundamentally connected to how they learn, and successful instruction blends the content of a discipline with processes of an engaging learning environment that changes to meet the dynamic needs of all students.

Purposeful assessment drives instruction and affects learning.
Assessment is an integral part of teaching and learning. Purposeful assessment practices help teachers and students understand where they have been, where they are, and where they might go next. No one assessment can provide sufficient information to plan teaching and learning. Using different types of assessments as part of instruction results in useful information about student understanding and progress. Educators should use this information to guide their own practice and in partnership with students and their families to reflect on learning and set future goals.

Learning is a collaborative responsibility.
Teaching and learning are both collaborative processes. Collaboration benefits teaching and learning when it occurs on several levels: when students, teachers, family members, and the community collectively prioritize education and engage in activities that support local schools, educators, and students; when educators collaborate with their colleagues to support innovative classroom practices and set high expectations for themselves and their students; and when students are given opportunities to work together toward academic goals in ways that enhance learning.

Students bring strengths and experiences to learning.
Every student learns. Although no two students come to school with the same culture, learning strengths, background knowledge, or experiences, and no two students learn in exactly the same way, every student’s unique personal history enriches classrooms, schools, and the community. This diversity is our greatest education asset.

Responsive environments engage learners.
Meaningful learning happens in environments where creativity, awareness, inquiry, and critical thinking are part of instruction. Responsive learning environments adapt to the individual needs of each student and encourage learning by promoting collaboration rather than isolation of learners. Learning environments, whether classrooms, schools, or other systems, should be structured to promote engaged teaching and learning.
Reaching Every Student; Reaching Every Discipline

Reaching Every Student
The CCSS set high, clear and consistent expectations for all students. In order to ensure that all students can meet and exceed those expectations, Wisconsin educators provide flexible and fluid support based on student need. Each student brings a complex system of strengths and experiences to learning. One student may have gifts and talents in mathematics and need additional support to reach grade-level standards in reading. A student may be learning English as a second language while remaining identified for gifted services in science. The following statements provide guidance for how to ensure that the CCSS provide the foundation for learning for every student in Wisconsin, regardless of their unique learning needs.

Application of Common Core State Standards for English Language Learners
The National Governors Association Center for Best Practices and the Council of Chief State School Officers strongly believe that all students should be held to the same high expectations outlined in the Common Core State Standards. This includes students who are English language learners (ELLs). However, these students may require additional time, appropriate instructional support, and aligned assessments as they acquire both English language proficiency and content area knowledge. ELLs are a heterogeneous group with differences in ethnic background, first language, socioeconomic status, quality of prior schooling, and levels of English language proficiency. Effectively educating these students requires pre-assessing each student instructionally, adjusting instruction accordingly, and closely monitoring student progress. For example, ELLs who are literate in a first language that shares cognates with English can apply first-language vocabulary knowledge when reading in English; likewise ELLs with high levels of schooling can often bring to bear conceptual knowledge developed in their first language when reading in English. However, ELLs with limited or interrupted schooling will need to acquire background knowledge prerequisite to educational tasks at hand. Additionally, the development of native-like proficiency in English takes many years and may not be achieved by all ELLs especially if they start schooling in the US in the later grades. Teachers should recognize that it is possible to achieve the standards for reading and literature, writing and research, language development and speaking and listening without manifesting native-like control of conventions and vocabulary.

English Language Arts
The Common Core State Standards for English Language Arts (ELA) articulate rigorous grade-level expectations in the areas of reading, writing, speaking, listening to prepare all students to be college and career ready, including English language learners. Second-language learners also will benefit from instruction about how to negotiate situations outside of those settings so they are able to participate on equal footing with native speakers in all aspects of social, economic, and civic endeavors.

ELLs bring with them many resources that enhance their education and can serve as resources for schools and society. Many ELLs have first language and literacy knowledge and skills that boost their acquisition of language and literacy in a second language; additionally, they bring an array of talents and cultural practices and perspectives that enrich our schools and society. Teachers must build on this enormous reservoir of talent and provide those students who need it with additional time and appropriate instructional support. This includes language proficiency standards that teachers can use in conjunction with the ELA standards to assist ELLs in becoming proficient and literate in English. To help ELLs meet high academic standards in language arts it is essential that they have access to:

• Teachers and personnel at the school and district levels who are well prepared and qualified to support ELLs while taking advantage of the many strengths and skills they bring to the classroom;
• Literacy-rich school environments where students are immersed in a variety of language experiences;
• Instruction that develops foundational skills in English and enables ELLs to participate fully in grade-level coursework;
• Coursework that prepares ELLs for postsecondary education or the workplace, yet is made comprehensible for students learning content in a second language (through specific pedagogical techniques and additional resources);

• Opportunities for classroom discourse and interaction that are well-designed to enable ELLs to develop communicative strengths in language arts;

• Ongoing assessment and feedback to guide learning; and

• Speakers of English who know the language well enough to provide ELLs with models and support.

Application to Students with Disabilities

The Common Core State Standards articulate rigorous grade-level expectations in the areas of mathematics and English language arts. These standards identify the knowledge and skills students need in order to be successful in college and careers.

Students with disabilities, students eligible under the Individuals with Disabilities Education Act (IDEA), must be challenged to excel within the general curriculum and be prepared for success in their post-school lives, including college and/or careers. These common standards provide an historic opportunity to improve access to rigorous academic content standards for students with disabilities. The continued development of understanding about research-based instructional practices and a focus on their effective implementation will help improve access to mathematics and English language arts (ELA) standards for all students, including those with disabilities. Students with disabilities are a heterogeneous group with one common characteristic: the presence of disabling conditions that significantly hinder their abilities to benefit from general education (IDEA 34 CFR §300.39, 2004). Therefore, how these high standards are taught and assessed is of the utmost importance in reaching this diverse group of students.

In order for students with disabilities to meet high academic standards and to fully demonstrate their conceptual and procedural knowledge and skills in mathematics, reading, writing, speaking and listening (English language arts), their instruction must incorporate supports and accommodations, including:

• Supports and related services designed to meet the unique needs of these students and to enable their access to the general education curriculum (IDEA 34 CFR §300.34, 2004).

• An Individualized Education Program (IEP) which includes annual goals aligned with and chosen to facilitate their attainment of grade-level academic standards.

• Teachers and specialized instructional support personnel who are prepared and qualified to deliver high-quality, evidence-based, individualized instruction and support services.

Promoting a culture of high expectations for all students is a fundamental goal of the Common Core State Standards. In order to participate with success in the general curriculum, students with disabilities, as appropriate, may be provided additional supports and services, such as:

• Instructional supports for learning based on the principles of Universal Design for Learning (UDL), which foster student engagement by presenting information in multiple ways and allowing for diverse avenues of action and expression.

• Instructional accommodations (Thompson, Morse, Sharpe & Hall, 2005), changes in materials or procedures, which do not change the standards but allow students to learn within the framework of the Common Core.

• Assistive technology devices and services to ensure access to the general education curriculum and the Common Core State Standards.

Some students with the most significant cognitive disabilities will require substantial supports and accommodations to have meaningful access to certain standards in both instruction and assessment, based on their communication and academic needs. These supports and accommodations should ensure that students receive access to multiple means of learning and opportunities to demonstrate knowledge, but retain the rigor and high expectations of the Common Core State Standards.
Implications for the Common Core State Standards for Students with Gifts and Talents

The CCSS provide a roadmap for what students need to learn by benchmarking expectations across grade levels. They include rigorous content and application of knowledge through higher-order skills. As such, they can serve as a foundation for a robust core curriculum, however, students with gifts and talents may need additional challenges or curricular options. In order to recognize what adaptations need to be made or what interventions need to be employed, we must understand who these students are.

According to the National Association for Gifted Children (2011), “Giftedness, intelligence, and talent are fluid concepts and may look different in different contexts and cultures” (para. 1). This means that there are students that demonstrate high performance or have the potential to do so in academics, creativity, leadership, and/or the visual and performing arts. Despite this diversity there are common characteristics that are important to note.

Students with gifts and talents:

• Learn at a fast pace.
• Are stimulated by depth and complexity of content.
• Make connections.

These traits have implications for how the Common Core State Standards are used. They reveal that as curriculum is designed and instruction, is planned there must be:

• Differentiation based on student readiness, interest, and learning style:
  – Pre-assessing in order to know where a student stands in relation to the content that will be taught (readiness), then teach those standards that the student has not mastered and enrich, compact, and/or accelerate when standards have been mastered. This might mean using standards that are beyond the grade level of the student.
  – Knowledge of our students so we are familiar with their strengths, background knowledge, experiences, interests, and learning styles.

• Differentiation of content, process, and product.
  – Use of a variety of materials (differentiating content) to provide challenge. Students may be studying the same concept using different text and resources.
  – Variety of tasks (differentiating process). For example in a science lesson about the relationship between temperature and rate of melting, some students may use computer-enhanced thermometers to record and graph temperature so they can concentrate on detecting patterns while other students may graph temperature at one-minute intervals, then examine the graph for patterns.
  – Variety of ways to demonstrate their learning (differentiating product). These choices can provide opportunities for students with varying abilities, interests, and learning styles to show what they have discovered.

• Adjustment to the level, depth, and pace of curriculum.
  – Compact the curriculum to intensify the pace.
  – Vary questioning and use creative and critical thinking strategies to provide depth.
  – Use standards beyond the grade level of the students. Since the CCSS provide a K-12 learning progression, this is easily done.
  – Accelerate subject areas or whole grades when appropriate.

• Match the intensity of the intervention with the student’s needs. This means that we must be prepared to adapt the core curriculum and plan for a continuum of services to meet the needs of all students, including those with gifts and talents.
References

Individuals with Disabilities Education Act (IDEA), 34 CFR §300.34 (a). (2004).


Reaching Every Discipline
Wisconsin's Approach to Disciplinary Literacy

Background
In Wisconsin, we hold the vision that every child must graduate ready for post-secondary education and the workforce. To achieve this vision, students must develop the skills to think, read, communicate, and perform in many academic contexts. If students must develop these specific skills, every educator must then consider how students learn to read, write, think, speak and listen in their discipline.

The kinds of reading, writing, thinking, speaking and listening required in a marketing course are quite different when compared with the same processes applied in an agriculture, art or history course. For example, a student may have successfully learned the vocabulary and content needed to score an A on a freshman biology test, but finds he still struggles to understand relevant articles from *Popular Science Magazine*, or use his science vocabulary to post respected responses on an environmental blog he reads at home. This student knows biology content, but lacks the disciplinary literacy to think, read, write, and speak with others in this field. Without this ability, his content knowledge is limited only to the classroom, and cannot extend to the real world around him.

In Wisconsin, disciplinary literacy is defined as the confluence of content knowledge, experiences, and skills merged with the ability to read, write, listen, speak, think critically and perform in a way that is meaningful within the context of a given field.

Teaching for disciplinary literacy ensures that students develop the skills to use the deep content knowledge they learn in school in ways that are relevant to each of them, and to the world around them.

In 2009, *The State Superintendent’s Adolescent Literacy Plan* offered recommendations for how to begin professional conversations about disciplinary literacy in Wisconsin. The plan recommended Wisconsin write standards for literacy that were specific to each discipline, and emphasized the need to accompany these literacy standards with discipline-specific professional learning.

Wisconsin’s Approach to Disciplinary Literacy
In 2010, the Council of Chief State School Officers (CCSSO) responded to this need for standards by publishing Common Core State Standards for Literacy in History/Social Studies, Science and Technical Subjects in grades 6-12. These standards were adopted by State Superintendent Tony Evers in June 2010. Wisconsin applauds this bold move to begin a national conversation on disciplinary literacy, and recognizes the need to broaden this effort to include all disciplines, and every educator in every grade level.

The ability to read, write, think, speak, and listen, in different ways and for different purposes begins early and becomes increasingly important as students pursue specialized fields of study in high school and beyond. These abilities are as important in mathematics, engineering and art courses as they are in science, social studies and English.

To further solidify Wisconsin’s expanded approach to disciplinary literacy, a statewide leadership team comprised of K-16 educators from diverse subject areas was convened. A set of foundations, was established and directs Wisconsin’s approach to disciplinary literacy.

This document begins the conversation about literacy in all subjects. It will come to life when presented to teachers and they are able to showcase their subjects’ connection to literacy in all subjects which will bring the literacy standards to life for their community of learners.
Wisconsin Foundations for Disciplinary Literacy

To guide understanding and professional learning, a set of foundational statements, developed in concert with Wisconsin’s Guiding Principles for Teaching and Learning, directs Wisconsin’s approach to disciplinary literacy.

- Academic learning begins in early childhood and develops across all disciplines.
- Content knowledge is strengthened when educators integrate discipline-specific literacy into teaching and learning.
- The literacy skills of reading, writing, listening, speaking and critical thinking improve when content-rich learning experiences motivate and engage students.
- Students demonstrate their content knowledge through reading, writing, listening, and speaking as part of a content literate community.

Wisconsin’s Common Core Standards for Literacy in All Subjects

With the Wisconsin Foundations for Disciplinary Literacy, Wisconsin expands the Common Core State Standards for Literacy in History/Social Studies, Science and Technical Subjects, to include every educator in every discipline and at every level. The Common Core Standards for English Language Arts include the Literacy Standards in History/Social Studies, Science and Technical Subjects as well as other relevant standards materials, resources, and research that support discipline-specific conversations across all content areas and grade levels.

The Common Core State Standards for Literacy in all Subjects is included as part of every set of Wisconsin standards as each discipline is reviewed in accordance with the process for Wisconsin standards revision http://www.dpi.wi.gov/standards. This document includes relevant resources and research that may be helpful in advancing school and district conversations, and can also be downloaded at www.dpi.wi.gov/standards or purchased as a stand-alone document through www.dpi.wi.gov/publications.
SECTION 2

Wisconsin’s Approach to Literacy in All Subjects
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What is Disciplinary Literacy?

Literacy, the ability to read, write, listen, speak, think critically and perform in different ways and for different purposes, begins to develop early and becomes increasingly important as students pursue specialized fields of study in high school and beyond. The Common Core State Standards (CCSS) for Literacy in Science, Social Studies, History, and the Technical Subjects are connected to College and Career Readiness Standards that guide educators as they strive to help students meet the literacy challenges within each particular field of study. This national effort is referred to as disciplinary literacy.

In Wisconsin, disciplinary literacy is defined as the confluence of content knowledge, experiences, and skills merged with the ability to read, write, listen, speak, think critically and perform in a way that is meaningful within the context of a given field.

These abilities are important in ALL courses and subjects. While the Common Core State Standards (CCSS) for Literacy in Science, Social Studies, History, and the Technical Subjects provide standards for cross-discipline reading and writing in grades 6-12, Wisconsin recognizes the need to broaden this effort and include all disciplines and every educator in every grade level K-12. This literacy focus must begin as soon as children have access to formal education and continue intentionally as college and career readiness goals advance for all children in Wisconsin.

To address this expanded definition and approach to disciplinary literacy, excerpts from the K-5 Common Core State Standards for English Language Arts are included in this document. Elementary classroom teachers build the foundational literacy skills necessary for students to access all learning. Additionally, they develop content specific to deep literacy study, oratory tradition and linguistic analysis; skills specific to English language arts. Literacy reaches beyond this knowledge in one content area to include reading, writing, listening, speaking and thinking critically in each discipline beginning at an early age. The applicable K-5 standards help educators in Wisconsin build a ladder of skills and dispositions that lead to accelerated achievement across disciplines and will be included in every content-specific standards document into the future.

Why is disciplinary literacy important?

The modern global society, of which our students are a part, requires postsecondary learning. An analysis of workforce trends by Georgetown University economist Anthony Carnevale and his colleagues found that nearly 60 percent of all job openings in 2007 required some postsecondary education; postsecondary success depends on students’ ability to comprehend and produce the kinds of complex texts found in all disciplines. Therefore, the economic future of our state, as well as our students and their success as productive citizens and critical thinkers link to disciplinary literacy.

Textbooks, articles, manuals and historical primary source documents create specialized challenges for learners. These texts often include abstracts, figures, tables, diagrams and specialized vocabulary. The ideas are complex and build across a number of paragraphs requiring focus and strategic processing. To comprehend and produce this type of text, students must be immersed in the language and thinking processes of that discipline and they must be supported by an expert guide, their teacher (Carnegie Report, 2010).

A focus at the elementary level on foundational reading, when expanded to include engaging experiences connected to informational texts, vocabulary, and writing for content-specific purposes builds background knowledge and skills in each discipline. This increases opportunities for success as students approach more rigorous content in those disciplines (Alliance for Excellent Education, 2011).

Reading, writing, speaking, listening and critical thinking must be integrated into each discipline across all grades so that all students gradually build knowledge and skills toward college and career readiness. Collaboration among institutes of higher education, CESA Statewide Network, districts, schools, teachers and family and community will guide the implementation of the Common Core State Standards in Wisconsin.
The message is that literacy is integral to attainment of content knowledge and content is essential background knowledge for literacy development. This interdependent relationship exists in all disciplines.

The Common Core State Standards require educators to support literacy in each classroom across the state. Since the impact of this effort is significant, it is essential that resources and supports be accessible to all educators. To build consistent understanding, DPI convened a statewide Disciplinary Literacy Leadership Team in 2011 comprised of educators from many content areas and educational backgrounds. This team was charged with examining the CCSS for Disciplinary Literacy, identifying the needs in the field for support, and gathering materials and resources to address those needs. Resources are available at www.dpi.wi.gov/standards
Wisconsin Foundations for Disciplinary Literacy

To guide understanding and professional learning, a set of foundations, developed in concert with Wisconsin’s Guiding Principles for Teaching and Learning, directs Wisconsin’s approach to disciplinary literacy.

Academic learning begins in early childhood and develops across all disciplines.

Each discipline has its own specific vocabulary, text types, and ways of communicating. Children begin learning these context- and content-specific differences early in life and continue through high school and beyond. While gardening, small children observe and learn the form and function of a root, stem, leaf and soil; or measure, mix and blend while baking a cake. School offers all students opportunities to develop the ability to, for example, think like a scientist, write like a historian, critique like an artist, problem-solve like an auto mechanic, or analyze technological advances like a health care technician. As literacy skills develop, educators gradually shift the responsibility for reading, writing, listening, speaking and critical thinking to students through guided supports in both individual and collaborative learning experiences.

Content knowledge is strengthened when educators integrate discipline-specific literacy into teaching and learning.

Educators help students recognize and understand the nuances of a discipline by using strategies that “make their thinking visible.” They promote classroom reading, writing, listening, speaking and critical thinking using authentic materials that support the development of content-specific knowledge. They guide students through these complex texts by using strategies that develop conceptual understanding of language and set expectations for relevant application of skills. These literacy practices deepen students’ content knowledge, strategies and skills so that their learning transfers to real world situations.

The literacy skills of reading, writing, listening, speaking and critical thinking improve when content-rich learning experiences motivate and engage students.

Educators who foster disciplinary literacy develop experiences that integrate rigorous content with relevant collaborative and creative literacy processes to motivate and engage students. Setting high expectations, they structure routines and supports that empower students to take charge of their own learning. When students work in teams to research science and mathematics concepts in the development of an invention or a graphic arts design; when they collaboratively build a blog that explains their recent marketing venture, they use specific literacy skills and strategies to solidify learning. Students need these opportunities over time to develop the precise and complex reading, writing, listening, speaking and critical thinking skills demanded in today’s careers.

Students demonstrate their content knowledge through reading, writing, listening, and speaking as part of a content-literate community.

Students who are literate in a particular discipline are able to successfully read, write, and speak about that discipline and can listen to and think critically as others communicate in that community. Performance tasks that allow students to present the complexity of a content area in a way that is meaningful to the field become authentic approaches to assessing mastery within a discipline. Such tasks empower students to discover the real world connections across disciplines and to actively participate in communities of discipline-literate peers. As Wisconsin moves to the SMARTER Balanced Assessment System these performance tasks will be integral to assessment of student learning.
What research and resources are available to support educators’ use of the Common Core State Standards for Literacy in All Subjects?

The Common Core State Standards for Literacy in All Subjects reflect the importance of literacy in both the oral and written language and in both productive (speaking and writing) and receptive (listening and reading) discourse. Clearly, critical and precise thinking are required to develop all of these specific strategies and skills. The standards also address the learning and functioning of language in a technological, media-driven world because the language that we use is selective depending upon the context of the conversation.

The following section will offer relevant research and resources to support professional learning in reading, writing, speaking, listening and language across disciplines. Collegial conversation and learning, both cross-discipline and within-discipline will help make the Common Core State Standards more applicable to schools and districts, and will address the needs of unique programs within those contexts. A collection of online resources will continue to develop as support materials emerge.

**Reading Connections**

While early reading focuses on learning that letters make sounds, and that words carry meaning, reading quickly develops to a point where the message taken from text depends on what the reader brings to it. The Carnegie Report, *Reading in the Disciplines* (2010) describes this phenomenon:

“The ability to comprehend written texts is not a static or fixed ability, but rather one that involves a dynamic relationship between the demands of texts and prior knowledge and goals of the reader.”

Therefore, a musician reading a journal article that describes concepts in music theory will take more information away from the text than a music novice because of their knowledge and experience in music. As well, an individual who spends a significant amount of time reading automotive manuals will more easily navigate a cell phone manual because of familiarity with that type of text.

A chart excerpted from the Carnegie Report (2010) details a few of the generic and more discipline-specific strategies that support students as they attempt to comprehend complex text. While the generic strategies pertain across content areas, discipline-specific ones must be tailored to match the demands of the content area.

Both generic and discipline focused strategies and knowledge must be applied to the comprehension and evaluation of:

- Textbooks
- Journal and magazine articles
- Historically situated primary documents
- Full Length Books
- Newspaper Articles
- Book Chapters
- Multimedia and Digital Texts
Generic Reading Strategies | Discipline-Specific Reading Strategies
---|---
Monitor comprehension | Build prior knowledge
Pre-read | Build specialized vocabulary
Set goals | Learn to deconstruct complex sentences
Think about what one already knows | Use knowledge of text structures and genres to predict main and subordinate ideas
Ask questions | Map graphic (and mathematical) representations against explanations in the text
Make predictions | Pose discipline relevant questions
Test predictions against the text | Compare claims and propositions across texts
Re-read | Use norms for reasoning within the discipline (i.e. what counts as evidence) to evaluate claims
Summarize |  

**Note on range and content of student reading**

To become college and career ready, students must grapple with works of exceptional craft and thought whose range extends across genres, cultures, and centuries. Such works offer profound insights into the human condition and serve as models for students’ own thinking and writing. Along with high-quality contemporary works, these texts should be chosen from seminal U.S. documents, the classics of American literature, and the timeless dramas of Shakespeare. Through wide and deep reading of literature and literary nonfiction of steadily increasing sophistication, students gain a reservoir of literary and cultural knowledge, references, and images; the ability to evaluate intricate arguments; and the capacity to surmount the challenges posed by complex texts. ([CCSS p. 35](http://www.corestandards.org/assets/CCSSI_ELA%20Standards.pdf))

The Common Core State Standards require that all students “be able to comprehend texts of steadily increasing complexity as they progress through school” ([Appendix A: Research Supporting Key Elements of the Standards, p. 2](http://www.corestandards.org/assets/CCSSI_ELA%20Standards.pdf)). More detailed definitions of complex text and examples of complex texts across disciplines are available in Appendix B of the English Language Arts CCSS at: [www.dpi.wi.gov/standards](http://www.dpi.wi.gov/standards).

**Writing Connections**

The Common Core State Standards call for emphasis on three types of writing: narrative, informational and logical argument. Writing that presents a logical argument is especially appropriate to discipline-specific work since credible evidence differs across content areas. The ability to consider multiple perspectives, assess the validity of claims and present a point of view is required in argumentative writing. These thinking and communication skills are “critical to college and career readiness” ([Appendix A: p. 24](http://www.corestandards.org/assets/CCSSI_ELA%20Standards.pdf)).

A 2007 report entitled *Writing Next: Effective Strategies to Improve Writing of Adolescents in Middle and High Schools* detailed research on writing to learn, rather than only for assessment, as having a significant impact on content learning.

Additional resources that support reading in specific subjects include *Content Counts! Developing Disciplinary Literacy Skills, K–6* by Jennifer L. Altieri (2011). This guide for discipline-specific literacy at the elementary level offers strategies to balance the demands of literacy while continuing to make content count and help students meet the reading, writing, speaking and listening demands of the content areas as they advance in school.

A resource by Doug Buehl (2011) entitled *Developing Readers in the Academic Disciplines* describes what it means to read, write, and think through a disciplinary lens in the adolescent years. This teacher-friendly guide helps connect literacy with disciplinary understandings to bridge academic knowledge gaps, frontload instruction, and build critical thinking through questioning.

The study found writing to learn was equally effective for all content areas in the study (social studies, math and science) and at every grade (4-12).

**Note on range and content of student writing**

For students, writing is a key means of asserting and defending claims, showing what they know about a subject, and conveying what they have experienced, imagined, thought, and felt. To be college- and career-ready writers, students must take task, purpose, and audience into careful consideration, choosing words, information, structures, and formats deliberately. They need to know how to combine elements of different kinds of writing—for example, to use narrative strategies within an argument and explanation within narrative—to produce complex and nuanced writing. They need to be able to use technology strategically when creating, refining, and collaborating on writing. They have to become adept at gathering information, evaluating sources, and citing material accurately, reporting findings from their research and analysis of sources in a clear and cogent manner. They must have flexibility, concentration, and fluency to produce high quality first draft text under a tight deadline as well as the capacity to revisit and make improvements to a piece of writing over multiple drafts when circumstances encourage or require it. (CCSS p.41 http://www.corestandards.org/assets/CCSSI_ELA%20Standards.pdf)

When a social studies teacher guides students in taking on the perspective of a person from a specific historical era, she might ask students to write a first person narrative from that perspective. Research into that era leads students to discover personal beliefs of that historical person. They may dig into the personal experiences, ideas, and events involved in the era to visualize life in that period. They then develop a rich understanding of the era and embed language from that era into the texts that they create. (Samples of discipline-specific writing across grades and content areas are available in Appendix C of the English Language Arts CCSS at: www.dpi.wi.gov/standards)

**Speaking, Listening and Language Connections**

The ability to share ideas and orally communicate with credibility in a specific academic discourse empowers students and allows access to specialized groups. In *Situated Language and Learning: A Critique of Traditional Schooling*, James Paul Gee (2004) describes the need to prioritize these skills so that students are at ease as they enter situations connected to a specific content area and are more likely to continue their learning in that discipline.

As expertise develops, students feel more and more comfortable applying knowledge and skills while speaking and listening in a specific discipline.

- A media course may teach students appropriate expression, tone and rate of speech when addressing a large audience.
- Listening carefully to questions posed is a specialized skill that debate facilitators develop.
- Scientists learn to listen for bias in the perspectives presented by peers to determine the reliability of scientific outcomes.
- Artists have very specialized and specific ways of speaking about the many aspects of a piece.

A policy brief from the Alliance for Excellent Education called, *Engineering Solutions to the National Crisis in Literacy: How to Make Good on the Promise of the Common Core State Standards* describes “a staircase of literacy demands” and emphasizes the importance of a progressive development of language and literacy over time.

The conceptual understanding of “functions” in mathematics may begin to develop in elementary school in its simplest form. As the concept develops over the years, students will use the word “function” in a meaningful way when speaking and writing to describe the mathematical concept they apply. When educators explicitly connect a mathematical term to its application and repeatedly expose students to the concept connected to the term, a specialized language becomes second nature to the mathematics classroom.

**Students must have extensive vocabularies, built through reading and explicit instruction embedded in the context of content learning. This enables them to comprehend complex texts, engage in purposeful writing and communicate effectively within a discipline.**
Skills in determining or clarifying the meaning of words and phrases encountered, choosing flexibly from an array of strategies, and seeing an individual word as part of a network of other words that, for example, have similar denotations but different connotations allow students to access information and support their own learning.

**Literacy in Multiple Languages**

Increasing economic, security, cross-cultural and global demands underscore the value of literacy in more than one language. Students who think, read, write, and communicate in multiple languages are an asset to our own country and can more easily interact and compete in the world at large.

English language learners (ELL) in our classrooms face significant challenges as they add a new language and work to grasp content at the same rate as their English-speaking peers. In a report to the Carnegie Corporation entitled *Double the Work: Challenges and Solutions to Acquiring Academic Literacy for Adolescent English Language Learners* (2007) researchers found that a focus on academic literacy is crucial for ELL’s success in school. In their description of academic literacy they include reading, writing and oral discourse that:

- Varies from subject to subject.
- Requires knowledge of multiple genres of text, purposes for text use and text media.
- Is influenced by students’ literacies in context outside of school.
- Is influenced by students’ personal, social, and cultural experiences.

The needs of our English language learners are addressed when we embed disciplinary literacy strategies into our subject area teaching. These high impact strategies and skills allow English language learners and all students to more readily access content knowledge and connect it to the prior knowledge they bring to the classroom. When educators take the initiative to understand and embed these strategies and skills, they offer additional opportunities for success to all of our students.

**Who Should Use the Common Core State Standards for Literacy in All Subjects?**

The term “disciplinary literacy” may be new to many Wisconsin teachers. The Common Core State Standards for Literacy in All Subjects as excerpted from the Common Core Standards for English Language Arts, are intended for all K-12 educators. Each standard is written broadly in content-neutral language, breaking down the complex skills that comprise reading, writing, speaking, listening, and language. These standards serve as a complement to the specific content-related standards of each individual discipline. Administrators and communities may also find the disciplinary literacy standards helpful in charting a clear and consistent school or district-wide approach to literacy that moves Wisconsin forward toward the goal of every student career and college ready.
References:


Carnevale, A. (2010) *Center on Education and the Workforce Forecasts of Education Demand to 2018*


*Common Core Standards for English Language Arts*: www.corestandards.org


*Engineering Solutions to the National Crisis in Literacy: How to Make Good on the Promise of the Common Core State Standards*. Alliance for Excellent Education. Washington D.C. 2011


*State Superintendent’s Adolescent Literacy Plan (2008)* Wisconsin Department of Public Instruction, Madison, WI


*Writing Next: Effective Strategies to Improve Writing of Adolescents in Middle and High Schools* (2007)
SECTION 3

Common Core State Standards for Literacy in All Subjects
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CCR and grade-specific standards

The CCR standards anchor the document and define general, cross-disciplinary literacy expectations that must be met for students to be prepared to enter college and workforce training programs ready to succeed. The K–12 grade-specific standards define end-of-year expectations and a cumulative progression designed to enable students to meet college and career readiness expectations no later than the end of high school. The CCR and high school (grades 9–12) standards work in tandem to define the college and career readiness line—the former providing broad standards, the latter providing additional specificity. Hence, both should be considered when developing college and career readiness assessments.

Students advancing through the grades are expected to meet each year’s grade-specific standards, retain or further develop skills and understandings mastered in preceding grades, and work steadily toward meeting the more general expectations described by the CCR standards.

Grade levels for K–8; grade bands for 9–10 and 11–12

The Standards use individual grade levels in kindergarten through grade 8 to provide useful specificity; the Standards use two-year bands in grades 9–12 to allow schools, districts, and states flexibility in high school course design.

A focus on results rather than means

By emphasizing required achievements, the Standards leave room for teachers, curriculum developers, and states to determine how those goals should be reached and what additional topics should be addressed. Thus, the Standards do not mandate such things as a particular writing process or the full range of metacognitive strategies that students may need to monitor and direct their thinking and learning. Teachers are thus free to provide students with whatever tools and knowledge their professional judgment and experience identify as most helpful for meeting the goals set out in the Standards.

An integrated model of literacy

Although the Standards are divided into Reading, Writing, Speaking and Listening, and Language strands for conceptual clarity, the processes of communication are closely connected, as reflected throughout this document. For example, Writing standard 9 requires that students be able to write about what they read. Likewise, Speaking and Listening standard 4 sets the expectation that students will share findings from their research.

Research and media skills blended into the Standards as a whole

To be ready for college, workforce training, and life in a technological society, students need the ability to gather, comprehend, evaluate, synthesize, and report on information and ideas, to conduct original research in order to answer questions or solve problems, and to analyze and create a high volume and extensive range of print and nonprint texts in media forms old and new. The need to conduct research and to produce and consume media is embedded into every aspect of today’s curriculum. In like fashion, research and media skills and understandings are embedded throughout the Standards rather than treated in a separate section.

Shared responsibility for students’ literacy development

The Standards insist that instruction in reading, writing, speaking, listening, and language be a shared responsibility within the school. The K–5 standards include expectations for reading, writing, speaking, listening, and language applicable to a range of subjects, including but not limited to ELA. The grades 6–12 standards are divided into two sections, one for ELA and the other for history/social studies, science, and technical subjects. This division reflects the unique, time-honored place of ELA teachers in developing students’ literacy skills while at the same time recognizing that teachers in other areas must have a role in this development as well.

Part of the motivation behind the interdisciplinary approach to literacy promulgated by the Standards is extensive research establishing the need for college and career ready students to be proficient in reading complex informational text independently in a variety of content areas. Most of the required reading in college and workforce training programs is informational in structure and challenging in content; postsecondary education programs typically provide students with both a higher volume of such reading than is generally required in K–12 schools and comparatively little scaffolding.

The Standards are not alone in calling for a special emphasis on informational text. The 2009 reading framework of the National Assessment of Educational Progress (NAEP) requires a high and increasing proportion of informational text on its assessment as students advance through the grades.
The Standards aim to align instruction with this framework so that many more students than at present can meet the requirements of college and career readiness. In K–5, the Standards follow NAEP’s lead in balancing the reading of literature with the reading of informational texts, including texts in history/social studies, science, and technical subjects. In accord with NAEP’s growing emphasis on informational texts in the higher grades, the Standards demand that a significant amount of reading of informational texts take place in and outside the ELA classroom. Fulfilling the Standards for 6–12 ELA requires much greater attention to a specific category of informational text—literary nonfiction—than has been traditional. Because the ELA classroom must focus on literature (stories, drama, and poetry) as well as literary nonfiction, a great deal of informational reading in grades 6–12 must take place in other classes if the NAEP assessment framework is to be matched instructionally. To measure students’ growth toward college and career readiness, assessments aligned with the Standards should adhere to the distribution of texts across grades cited in the NAEP framework.

NAEP likewise outlines a distribution across the grades of the core purposes and types of student writing. The 2011 NAEP framework, like the Standards, cultivates the development of three mutually reinforcing writing capacities: writing to persuade, to explain, and to convey real or imagined experience. Evidence concerning the demands of college and career readiness gathered during development of the Standards concurs with NAEP’s shifting emphases: standards for grades 9–12 describe writing in all three forms, but, consistent with NAEP, the overwhelming focus of writing throughout high school should be on arguments and informative/explanatory texts.

It follows that writing assessments aligned with the Standards should adhere to the distribution of writing purposes across grades outlined by NAEP.

Focus and coherence in instruction and assessment

While the Standards delineate specific expectations in reading, writing, speaking, listening, and language, each standard need not be a separate focus for instruction and assessment. Often, several standards can be addressed by a single rich task. For example, when editing writing, students address Writing standard 5 (“Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach”) as well as Language standards 1–3 (which deal with conventions of standard English and knowledge of language). When drawing evidence from literary and informational texts per Writing standard 9, students are also demonstrating their comprehension skill in relation to specific standards in Reading. When discussing something they have read or written, students are also demonstrating their speaking and listening skills. The CCR anchor standards themselves provide another source of focus and coherence.

The same ten CCR anchor standards for Reading apply to both literary and informational texts, including texts in history/social studies, science, and technical subjects. The ten CCR anchor standards for Writing cover numerous text types and subject areas. This means that students can develop mutually reinforcing skills and exhibit mastery of standards for reading and writing across a range of texts and classrooms.

The percentages on the table reflect the sum of student reading, not just reading in ELA settings. Teachers of senior English classes, for example, are not required to devote 70 percent of reading to informational texts. Rather, 70 percent of student reading across the grade should be informational.

As with reading, the percentages in the table reflect the sum of student writing, not just writing in ELA settings.

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1 Distribution of Literary and Informational Passages by Grade in the 2009 NAEP Reading Framework

<table>
<thead>
<tr>
<th>Grade</th>
<th>Literary</th>
<th>Informational</th>
</tr>
</thead>
<tbody>
<tr>
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<td>50%</td>
<td>50%</td>
</tr>
<tr>
<td>8</td>
<td>45%</td>
<td>55%</td>
</tr>
<tr>
<td>12</td>
<td>30%</td>
<td>70%</td>
</tr>
</tbody>
</table>


2 Distribution of Communicative Purposes by Grade in the 2011 NAEP Writing Framework

<table>
<thead>
<tr>
<th>Grade</th>
<th>To Persuade</th>
<th>To Explain</th>
<th>To Convey Experience</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>30%</td>
<td>35%</td>
<td>35%</td>
</tr>
<tr>
<td>8</td>
<td>35%</td>
<td>35%</td>
<td>30%</td>
</tr>
<tr>
<td>12</td>
<td>40%</td>
<td>40%</td>
<td>20%</td>
</tr>
</tbody>
</table>

What is Not Covered by the Standards

The Standards should be recognized for what they are not as well as what they are. The most important intentional design limitations are as follows:

1. The Standards define what all students are expected to know and be able to do, not how teachers should teach. For instance, the use of play with young children is not specified by the Standards, but it is welcome as a valuable activity in its own right and as a way to help students meet the expectations in this document. Furthermore, while the Standards make references to some particular forms of content, including mythology, foundational U.S. documents, and Shakespeare, they do not—indeed, cannot—enumerate all or even most of the content that students should learn. The Standards must therefore be complemented by a well-developed, content-rich curriculum consistent with the expectations laid out in this document.

2. While the Standards focus on what is most essential, they do not describe all that can or should be taught. A great deal is left to the discretion of teachers and curriculum developers. The aim of the Standards is to articulate the fundamentals, not to set out an exhaustive list or a set of restrictions that limits what can be taught beyond what is specified herein.

3. The Standards do not define the nature of advanced work for students who meet the Standards prior to the end of high school. For those students, advanced work in such areas as literature, composition, language, and journalism should be available. This work should provide the next logical step up from the college and career readiness baseline established here.

4. The Standards set grade-specific standards but do not define the intervention methods or materials necessary to support students who are well below or well above grade-level expectations. No set of grade-specific standards can fully reflect the great variety in abilities, needs, learning rates, and achievement levels of students in any given classroom. However, the Standards do provide clear signposts along the way to the goal of college and career readiness for all students.

5. It is also beyond the scope of the Standards to define the full range of supports appropriate for English language learners and for students with special needs. At the same time, all students must have the opportunity to learn and meet the same high standards if they are to access the knowledge and skills necessary in their post–high school lives.

   Each grade will include students who are still acquiring English. For those students, it is possible to meet the standards in reading, writing, speaking, and listening without displaying native-like control of conventions and vocabulary.

   The Standards should also be read as allowing for the widest possible range of students to participate fully from the outset and as permitting appropriate accommodations to ensure maximum participation of students with special education needs. For example, for students with disabilities reading should allow for the use of Braille, screen-reader technology, or other assistive devices, while writing should include the use of a scribe, computer, or speech-to-text technology. In a similar vein, speaking and listening should be interpreted broadly to include sign language.

6. While the ELA and content area literacy components described herein are critical to college and career readiness, they do not define the whole of such readiness. Students require a wide-ranging, rigorous academic preparation and, particularly in the early grades, attention to such matters as social, emotional, and physical development and approaches to learning. Similarly, the Standards define literacy expectations in history/social studies, science, and technical subjects, but literacy standards in other areas, such as mathematics and health education, modeled on those in this document are strongly encouraged to facilitate a comprehensive, schoolwide literacy program.
Students Who are College and Career Ready in Reading, Writing, Speaking, Listening, and Language

The descriptions that follow are not standards themselves but instead offer a portrait of students who meet the standards set out in this document. As students advance through the grades and master the standards in reading, writing, speaking, listening, and language, they are able to exhibit with increasing fullness and regularity these capacities of the literate individual.

They demonstrate independence.
Students can, without significant scaffolding, comprehend and evaluate complex texts across a range of types and disciplines, and they can construct effective arguments and convey intricate or multifaceted information. Likewise, students are able independently to discern a speaker’s key points, request clarification, and ask relevant questions. They build on others’ ideas, articulate their own ideas, and confirm they have been understood. Without prompting, they demonstrate command of standard English and acquire and use a wide-ranging vocabulary. More broadly, they become self-directed learners, effectively seeking out and using resources to assist them, including teachers, peers, and print and digital reference materials.

They build strong content knowledge.
Students establish a base of knowledge across a wide range of subject matter by engaging with works of quality and substance. They become proficient in new areas through research and study. They read purposefully and listen attentively to gain both general knowledge and discipline-specific expertise. They refine and share their knowledge through writing and speaking.

They respond to the varying demands of audience, task, purpose, and discipline.
Students adapt their communication in relation to audience, task, purpose, and discipline. They set and adjust purpose for reading, writing, speaking, listening, and language use as warranted by the task. They appreciate nuances, such as how the composition of an audience should affect tone when speaking and how the connotations of words affect meaning. They also know that different disciplines call for different types of evidence (e.g., documentary evidence in history, experimental evidence in science).

They comprehend as well as critique.
Students are engaged and open-minded—but discerning—readers and listeners. They work diligently to understand precisely what an author or speaker is saying, but they also question an author’s or speaker’s assumptions and premises and assess the veracity of claims and the soundness of reasoning.

They value evidence.
Students cite specific evidence when offering an oral or written interpretation of a text. They use relevant evidence when supporting their own points in writing and speaking, making their reasoning clear to the reader or listener, and they constructively evaluate others’ use of evidence.

They use technology and digital media strategically and capably.
Students employ technology thoughtfully to enhance their reading, writing, speaking, listening, and language use. They tailor their searches online to acquire useful information efficiently, and they integrate what they learn using technology with what they learn offline. They are familiar with the strengths and limitations of various technological tools and mediums and can select and use those best suited to their communication goals.

They come to understand other perspectives and cultures.
Students appreciate that the twenty-first-century classroom and workplace are settings in which people from often widely divergent cultures and who represent diverse experiences and perspectives must learn and work together. Students actively seek to understand other perspectives and cultures through reading and listening, and they are able to communicate effectively with people of varied backgrounds. They evaluate other points of view critically and constructively. Through reading great classic and contemporary works of literature representative of a variety of periods, cultures, and worldviews, students can vicariously inhabit worlds and have experiences much different than their own.
How to Read This Document

Overall Document Organization
The Standards comprise three main sections: a comprehensive K–5 section and two content area–specific sections for grades 6–12, one for ELA and one for history/social studies, science, and technical subjects. Three appendices accompany the main document.

Each section is divided into strands. K–5 and 6–12 ELA have Reading, Writing, Speaking and Listening, and Language strands; the 6–12 history/social studies, science, and technical subjects section focuses on Reading and Writing. Each strand is headed by a strand-specific set of College and Career Readiness Anchor Standards that is identical across all grades and content areas.

Standards for each grade within K–8 and for grades 9–10 and 11–12 follow the CCR anchor standards in each strand. Each grade-specific standard (as these standards are collectively referred to) corresponds to the same-numbered CCR anchor standard. Put another way, each CCR anchor standard has an accompanying grade-specific standard translating the broader CCR statement into grade-appropriate end-of-year expectations.

Individual CCR anchor standards can be identified by their strand, CCR status, and number (R.CCR.6, for example). Individual grade-specific standards can be identified by their strand, grade, and number (or number and letter, where applicable), so that RI.4.3, for example, stands for Reading, Informational Text, grade 4, standard 3 and W.S.1a stands for Writing, grade 5, standard 1a. Strand designations can be found in brackets alongside the full strand title.

Who is responsible for which portion of the Standards
A single K–5 section lists standards for reading, writing, speaking, listening, and language across the curriculum, reflecting the fact that most or all of the instruction students in these grades receive comes from one teacher. Grades 6–12 are covered in two content area–specific sections, the first for the English language arts teacher and the second for teachers of history/social studies, science, and technical subjects. Each section uses the same CCR anchor standards but also includes grade-specific standards tuned to the literacy requirements of the particular discipline(s).

Key Features of the Standards

Reading: Text complexity and the growth of comprehension
The Reading standards place equal emphasis on the sophistication of what students read and the skill with which they read. Standard 10 defines a grade-by-grade “staircase” of increasing text complexity that rises from beginning reading to the college and career readiness level. Whatever they are reading, students must also show a steadily growing ability to discern more from and make fuller use of text, including making an increasing number of connections among ideas and between texts, considering a wider range of textual evidence, and becoming more sensitive to inconsistencies, ambiguities, and poor reasoning in texts.

Writing: Text types, responding to reading, and research
The Standards acknowledge the fact that whereas some writing skills, such as the ability to plan, revise, edit, and publish, are applicable to many types of writing, other skills are more properly defined in terms of specific writing types: arguments, informative/explanatory texts, and narratives. Standard 9 stresses the importance of the writing-reading connection by requiring students to draw upon and write about evidence from literary and informational texts. Because of the centrality of writing to most forms of inquiry, research standards are prominently included in this strand, though skills important to research are infused throughout the document.

Speaking and Listening: Flexible communication and collaboration
Including but not limited to skills necessary for formal presentations, the Speaking and Listening standards require students to develop a range of broadly useful oral communication and interpersonal skills. Students must learn to work together, express and listen carefully to ideas, integrate information from oral, visual, quantitative, and media sources, evaluate what they hear, use media and visual displays strategically to help achieve communicative purposes, and adapt speech to context and task.

Language: Conventions, effective use, and vocabulary
The Language standards include the essential “rules” of standard written and spoken English, but they also approach language as a matter of craft and informed choice among alternatives. The vocabulary standards focus on understanding words and phrases, their relationships, and their nuances and on acquiring new vocabulary, particularly general academic and domain-specific words and phrases.
College and Career Readiness Anchor Standards for Reading

The K–5 standards on the following pages define what students should understand and be able to do by the end of each grade. They correspond to the College and Career Readiness (CCR) anchor standards below by number. The CCR and grade-specific standards are necessary complements—the former providing broad standards, the latter providing additional specificity—that together define the skills and understandings that all students must demonstrate.

Key Ideas and Details
1. Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.
2. Determine central ideas or themes of a text and analyze their development; summarize the key supporting details and ideas.
3. Analyze how and why individuals, events, and ideas develop and interact over the course of a text.

Craft and Structure
4. Interpret words and phrases as they are used in a text, including determining technical, connotative, and figurative meanings, and analyze how specific word choices shape meaning or tone.
5. Analyze the structure of texts, including how specific sentences, paragraphs, and larger portions of the text (e.g., a section, chapter, scene, or stanza) relate to each other and the whole.
6. Assess how point of view or purpose shapes the content and style of a text.

Integration of Knowledge and Ideas
7. Integrate and evaluate content presented in diverse media and formats, including visually and quantitatively, as well as in words.*
8. Delineate and evaluate the argument and specific claims in a text, including the validity of the reasoning as well as the relevance and sufficiency of the evidence.
9. Analyze how two or more texts address similar themes or topics in order to build knowledge or to compare the approaches the authors take.

Range of Reading and Level of Text Complexity
10. Read and comprehend complex literary and informational texts independently and proficiently.

*Please see “Research to Build and Present Knowledge” in Writing and “Comprehension and Collaboration” in Speaking and Listening for additional standards relevant to gathering, assessing, and applying information from print and digital sources.
### Reading Standards for Informational Text K-5

<table>
<thead>
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<th>Kindergartners:</th>
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<th>Grade 2 students:</th>
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<tbody>
<tr>
<td><strong>Key Ideas and Details</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. With prompting and support, ask and answer questions about key details in a text.</td>
<td>1. Ask and answer questions about key details in a text.</td>
<td>1. Ask and answer such questions as who, what, where, when, why, and how to demonstrate understanding of key details in a text.</td>
</tr>
<tr>
<td>2. With prompting and support, identify the main topic and retell key details of a text.</td>
<td>2. Identify the main topic and retell key details of a text.</td>
<td>2. Identify the main topic of a multiparagraph text as well as the focus of specific paragraphs within the text.</td>
</tr>
<tr>
<td>3. With prompting and support, describe the connection between two individuals, events, ideas, or pieces of information in a text.</td>
<td>3. Describe the connection between two individuals, events, ideas, or pieces of information in a text.</td>
<td>3. Describe the connection between a series of historical events, scientific ideas or concepts, or steps in technical procedures in a text.</td>
</tr>
<tr>
<td><strong>Craft and Structure</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. With prompting and support, ask and answer questions about unknown words in a text.</td>
<td>4. Ask and answer questions to help determine or clarify the meaning of words and phrases in a text.</td>
<td>4. Determine the meaning of words and phrases in a text relevant to a grade 2 topic or subject area.</td>
</tr>
<tr>
<td>5. Identify the front cover, back cover, and title page of a book.</td>
<td>5. Know and use various text features (e.g., headings, tables of contents, glossaries, electronic menus, icons) to locate key facts or information in a text.</td>
<td>5. Know and use various text features (e.g., captions, bold print, subheadings, glossaries, indexes, electronic menus, icons) to locate key facts or information in a text efficiently.</td>
</tr>
<tr>
<td>6. Name the author and illustrator of a text and define the role of each in presenting the ideas or information in a text.</td>
<td>6. Distinguish between information provided by pictures or other illustrations and information provided by the words in a text.</td>
<td>6. Identify the main purpose of a text, including what the author wants to answer, explain, or describe.</td>
</tr>
<tr>
<td><strong>Integration of Knowledge and Ideas</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7. With prompting and support, describe the relationship between illustrations and the text in which they appear (e.g., what person, place, thing, or idea in the text an illustration depicts).</td>
<td>7. Use the illustrations and details in a text to describe its key ideas.</td>
<td>7. Explain how specific images (e.g., a diagram showing how a machine works) contribute to and clarify a text.</td>
</tr>
<tr>
<td>8. With prompting and support, identify the reasons an author gives to support points in a text.</td>
<td>8. Identify the reasons an author gives to support points in a text.</td>
<td>8. Describe how reasons support specific points the author makes in a text.</td>
</tr>
<tr>
<td>9. With prompting and support, identify basic similarities in and differences between two texts on the same topic (e.g., in illustrations, descriptions, or procedures).</td>
<td>9. Identify basic similarities in and differences between two texts on the same topic (e.g., in illustrations, descriptions, or procedures).</td>
<td>9. Compare and contrast the most important points presented by two texts on the same topic.</td>
</tr>
<tr>
<td><strong>Range of Reading and Level of Text Complexity</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10. Actively engage in group reading activities with purpose and understanding.</td>
<td>10. With prompting and support, read informational texts appropriately complex for grade 1.</td>
<td>10. By the end of year, read and comprehend informational texts, including history/social studies, science, and technical texts, in the grades 2–3 text complexity band proficiently, with scaffolding as needed at the high end of the range.</td>
</tr>
</tbody>
</table>
### Reading Standards for Informational Text K–5

<table>
<thead>
<tr>
<th>Key Ideas and Details</th>
<th>Grade 3 students:</th>
<th>Grade 4 students:</th>
<th>Grade 5 students:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Ask and answer questions to demonstrate understanding of a text, referring explicitly to the text as the basis for the answers.</td>
<td>1. Refer to details and examples in a text when explaining what the text says explicitly and when drawing inferences from the text.</td>
<td>1. Quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text.</td>
<td></td>
</tr>
<tr>
<td>2. Determine the main idea of a text; recount the key details and explain how they support the main idea.</td>
<td>2. Determine the main idea of a text and explain how it is supported by key details; summarize the text.</td>
<td>2. Determine two or more main ideas of a text and explain how they are supported by key details; summarize the text.</td>
<td></td>
</tr>
<tr>
<td>3. Describe the relationship between a series of historical events, scientific ideas or concepts, or steps in technical procedures in a text, using language that pertains to time, sequence, and cause/effect.</td>
<td>3. Explain events, procedures, ideas, or concepts in a historical, scientific, or technical text, including what happened and why, based on specific information in the text.</td>
<td>3. Explain the relationships or interactions between two or more individuals, events, ideas, or concepts in a historical, scientific, or technical text based on specific information in the text.</td>
<td></td>
</tr>
</tbody>
</table>

### Craft and Structure

<table>
<thead>
<tr>
<th>Grade 3 students:</th>
<th>Grade 4 students:</th>
<th>Grade 5 students:</th>
</tr>
</thead>
<tbody>
<tr>
<td>4. Determine the meaning of general academic and domain-specific words and phrases in a text relevant to a grade 3 topic or subject area.</td>
<td>4. Determine the meaning of general academic and domain-specific words or phrases in a text relevant to a grade 4 topic or subject area.</td>
<td>4. Determine the meaning of general academic and domain-specific words and phrases in a text relevant to a grade 5 topic or subject area.</td>
</tr>
<tr>
<td>5. Use text features and search tools (e.g., key words, sidebars, hyperlinks) to locate information relevant to a given topic efficiently.</td>
<td>5. Describe the overall structure (e.g., chronology, comparison, cause/effect, problem/solution) of events, ideas, concepts, or information in a text or part of a text.</td>
<td>5. Compare and contrast the overall structure (e.g., chronology, comparison, cause/effect, problem/solution) of events, ideas, concepts, or information in two or more texts.</td>
</tr>
<tr>
<td>6. Distinguish their own point of view from that of the author of a text.</td>
<td>6. Compare and contrast a firsthand and secondhand account of the same event or topic; describe the differences in focus and the information provided.</td>
<td>6. Analyze multiple accounts of the same event or topic, noting important similarities and differences in the point of view they represent.</td>
</tr>
</tbody>
</table>

### Integration of Knowledge and Ideas

<table>
<thead>
<tr>
<th>Grade 3 students:</th>
<th>Grade 4 students:</th>
<th>Grade 5 students:</th>
</tr>
</thead>
<tbody>
<tr>
<td>7. Use information gained from illustrations (e.g., maps, photographs) and the words in a text to demonstrate understanding of the text (e.g., where, when, why, and how key events occur).</td>
<td>7. Interpret information presented visually, orally, or quantitatively (e.g., in charts, graphs, diagrams, time lines, animations, or interactive elements on Web pages) and explain how the information contributes to an understanding of the text in which it appears.</td>
<td>7. Draw on information from multiple print or digital sources, demonstrating the ability to locate an answer to a question quickly or to solve a problem efficiently.</td>
</tr>
<tr>
<td>8. Describe the logical connection between particular sentences and paragraphs in a text (e.g., comparison, cause/effect, first/second/third in a sequence).</td>
<td>8. Explain how an author uses reasons and evidence to support particular points in a text.</td>
<td>8. Explain how an author uses reasons and evidence to support particular points in a text, identifying which reasons and evidence support which point(s).</td>
</tr>
<tr>
<td>9. Compare and contrast the most important points and key details presented in two texts on the same topic.</td>
<td>9. Integrate information from two texts on the same topic in order to write or speak about the subject knowledgeably.</td>
<td>9. Integrate information from several texts on the same topic in order to write or speak about the subject knowledgeably.</td>
</tr>
</tbody>
</table>

### Range of Reading and Level of Text Complexity

<table>
<thead>
<tr>
<th>Grade 3 students:</th>
<th>Grade 4 students:</th>
<th>Grade 5 students:</th>
</tr>
</thead>
<tbody>
<tr>
<td>10. By the end of the year, read and comprehend informational texts, including history/social studies, science, and technical texts, at the high end of the grades 2–3 text complexity band independently and proficiently.</td>
<td>10. By the end of the year, read and comprehend informational texts, including history/social studies, science, and technical texts, in the grades 4–5 text complexity band proficiently, with scaffolding as needed at the high end of the range.</td>
<td>10. By the end of the year, read and comprehend informational texts, including history/social studies, science, and technical texts, at the high end of the grades 4–5 text complexity band independently and proficiently.</td>
</tr>
</tbody>
</table>
College and Career Readiness Anchor Standards for Writing

The K–5 standards on the following pages define what students should understand and be able to do by the end of each grade. They correspond to the College and Career Readiness (CCR) anchor standards below by number. The CCR and grade-specific standards are necessary complements—the former providing broad standards, the latter providing additional specificity—that together define the skills and understandings that all students must demonstrate.

Text Types and Purposes*

1. Write arguments to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence.
2. Write informative/explanatory texts to examine and convey complex ideas and information clearly and accurately through the effective selection, organization, and analysis of content.
3. Write narratives to develop real or imagined experiences or events using effective technique, well-chosen details, and well-structured event sequences.

Production and Distribution of Writing

4. Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.
5. Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach.
6. Use technology, including the Internet, to produce and publish writing and to interact and collaborate with others.

Research to Build and Present Knowledge

7. Conduct short as well as more sustained research projects based on focused questions, demonstrating understanding of the subject under investigation.
8. Gather relevant information from multiple print and digital sources, assess the credibility and accuracy of each source, and integrate the information while avoiding plagiarism.
9. Draw evidence from literary or informational texts to support analysis, reflection, and research.

Range of Writing

10. Write routinely over extended time frames (time for research, reflection, and revision) and shorter time frames (a single sitting or a day or two) for a range of tasks, purposes, and audiences.

*These broad types of writing include many subgenres.
Writing Standards K-5

The following standards for K–5 offer a focus for instruction each year to help ensure that students gain adequate mastery of a range of skills and applications. Each year in their writing, students should demonstrate increasing sophistication in all aspects of language use, from vocabulary and syntax to the development and organization of ideas, and they should address increasingly demanding content and sources. *Students advancing through the grades are expected to meet each year’s grade-specific standards and retain or further develop skills and understandings mastered in preceding grades.*

<table>
<thead>
<tr>
<th>Kindergartners:</th>
<th>Grade 1 students:</th>
<th>Grade 2 students:</th>
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</thead>
<tbody>
<tr>
<td><strong>Text Types and Purposes</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Use a combination of drawing, dictating, and writing to compose opinion pieces in which they tell a reader the topic or the name of the book they are writing about and state an opinion or preference about the topic or book (e.g., <em>My favorite book is . . .</em>).</td>
<td>1. Write opinion pieces in which they introduce the topic or name the book they are writing about, state an opinion, supply a reason for the opinion, and provide some sense of closure.</td>
<td>1. Write opinion pieces in which they introduce the topic or book they are writing about, state an opinion, supply reasons that support the opinion, use linking words (e.g., because, and, also) to connect opinion and reasons, and provide a concluding statement or section.</td>
</tr>
<tr>
<td>2. Use a combination of drawing, dictating, and writing to compose informative/explanatory texts in which they name what they are writing about and supply some information about the topic.</td>
<td>2. Write informative/explanatory texts in which they name a topic, supply some facts about the topic, and provide some sense of closure.</td>
<td>2. Write informative/explanatory texts in which they introduce a topic, use facts and definitions to develop points, and provide a concluding statement or section.</td>
</tr>
<tr>
<td>3. Use a combination of drawing, dictating, and writing to narrate a single event or several loosely linked events, tell about the events in the order in which they occurred, and provide a reaction to what happened.</td>
<td>3. Write narratives in which they recount two or more appropriately sequenced events, include some details regarding what happened, use temporal words to signal event order, and provide some sense of closure.</td>
<td>3. Write narratives in which they recount a well-organized event or short sequence of events, include details to describe actions, thoughts, and feelings, use temporal words to signal event order, and provide a sense of closure.</td>
</tr>
<tr>
<td><strong>Production and Distribution of Writing</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. (Begins in grade 3)</td>
<td>4. (Begins in grade 3)</td>
<td>4. (Begins in grade 3)</td>
</tr>
<tr>
<td>5. With guidance and support from adults, respond to questions and suggestions from peers and add details to strengthen writing as needed.</td>
<td>5. With guidance and support from adults, focus on a topic, respond to questions and suggestions from peers, and add details to strengthen writing as needed.</td>
<td>5. With guidance and support from adults and peers, focus on a topic and strengthen writing as needed by revising and editing.</td>
</tr>
<tr>
<td>6. With guidance and support from adults, explore a variety of digital tools to produce and publish writing, including in collaboration with peers.</td>
<td>6. With guidance and support from adults, use a variety of digital tools to produce and publish writing, including in collaboration with peers.</td>
<td>6. With guidance and support from adults, use a variety of digital tools to produce and publish writing, including in collaboration with peers.</td>
</tr>
<tr>
<td><strong>Research to Build and Present Knowledge</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7. Participate in shared research and writing projects (e.g., explore a number of books by a favorite author and express opinions about them).</td>
<td>7. Participate in shared research and writing projects (e.g., explore a number of “how-to” books on a given topic and use them to write a sequence of instructions).</td>
<td>7. Participate in shared research and writing projects (e.g., read a number of books on a single topic to produce a report; record science observations).</td>
</tr>
<tr>
<td>8. With guidance and support from adults, recall information from experiences or gather information from provided sources to answer a question.</td>
<td>8. With guidance and support from adults, recall information from experiences or gather information from provided sources to answer a question.</td>
<td>8. Recall information from experiences or gather information from provided sources to answer a question.</td>
</tr>
<tr>
<td>9. (Begins in grade 4)</td>
<td>9. (Begins in grade 4)</td>
<td>9. (Begins in grade 4)</td>
</tr>
<tr>
<td><strong>Range of Writing</strong></td>
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</tr>
<tr>
<td>10. (Begins in grade 3)</td>
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<td>10. (Begins in grade 3)</td>
</tr>
</tbody>
</table>
### Writing Standards K-5

<table>
<thead>
<tr>
<th>Text Types and Purposes</th>
<th>Grade 3 students:</th>
<th>Grade 4 students:</th>
<th>Grade 5 students:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Write opinion pieces on topics or texts, supporting a point of view with reasons.</td>
<td>a. Introduce the topic or text they are writing about, state an opinion, and create an organizational structure that lists reasons.</td>
<td>a. Introduce a topic or text clearly, state an opinion, and create an organizational structure in which related ideas are grouped to support the writer’s purpose.</td>
<td>a. Introduce a topic or text clearly, state an opinion, and create an organizational structure in which ideas are logically grouped to support the writer’s purpose.</td>
</tr>
<tr>
<td>2. Write informative/explanatory texts to examine a topic and convey ideas and information clearly.</td>
<td>a. Introduce a topic and group related information together; include illustrations when useful to aiding comprehension.</td>
<td>a. Introduce a topic clearly and group related information in paragraphs and sections; include formatting (e.g., headings), illustrations, and multimedia when useful to aiding comprehension.</td>
<td>a. Introduce a topic clearly and provide a general observation and focus, and group related information logically; include formatting (e.g., headings), illustrations, and multimedia when useful to aiding comprehension.</td>
</tr>
<tr>
<td>3. Write narratives to develop real or imagined experiences or events using effective technique, descriptive details, and clear event sequences.</td>
<td>a. Establish a situation and introduce a narrator and/or characters; organize an event sequence that unfolds naturally.</td>
<td>a. Orient the reader by establishing a situation and introducing a narrator and/or characters; organize an event sequence that unfolds naturally.</td>
<td>a. Orient the reader by establishing a situation and introducing a narrator and/or characters; organize an event sequence that unfolds naturally.</td>
</tr>
</tbody>
</table>
## Writing Standards K-5

### Production and Distribution of Writing

<table>
<thead>
<tr>
<th>Grade 3 students:</th>
<th>Grade 4 students:</th>
<th>Grade 5 students:</th>
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</thead>
<tbody>
<tr>
<td>4. With guidance and support from adults, produce writing in which the development and organization are appropriate to task, purpose, and audience. (Grade-specific expectations for writing types are defined in standards 1-3 above.)</td>
<td>4. Produce clear and coherent writing in which the development and organization are appropriate to task, purpose, and audience. (Grade-specific expectations for writing types are defined in standards 1-3 above.)</td>
<td>4. Produce clear and coherent writing in which the development and organization are appropriate to task, purpose, and audience. (Grade-specific expectations for writing types are defined in standards 1-3 above.)</td>
</tr>
<tr>
<td>5. With guidance and support from peers and adults, develop and strengthen writing as needed by planning, revising, and editing. (Editing for conventions should demonstrate command of Language standards 1-3 up to and including grade 3 on pages 28 and 29.)</td>
<td>5. With guidance and support from peers and adults, develop and strengthen writing as needed by planning, revising, editing, and trying a new approach. (Editing for conventions should demonstrate command of Language standards 1-3 up to and including grade 4 on pages 28 and 29.)</td>
<td>With guidance and support from peers and adults, develop and strengthen writing as needed by planning, revising, editing, and trying a new approach. (Editing for conventions should demonstrate command of Language standards 1-3 up to and including grade 5 on pages 28 and 29.)</td>
</tr>
<tr>
<td>6. With guidance and support from adults, use technology to produce and publish writing (using keyboarding skills) as well as to interact and collaborate with others.</td>
<td>6. With some guidance and support from adults, use technology, including the Internet, to produce and publish writing as well as to interact and collaborate with others; demonstrate sufficient command of keyboarding skills to type a minimum of one page in a single sitting.</td>
<td>With some guidance and support from adults, use technology, including the Internet, to produce and publish writing as well as to interact and collaborate with others; demonstrate sufficient command of keyboarding skills to type a minimum of two pages in a single sitting.</td>
</tr>
</tbody>
</table>

### Research to Build and Present Knowledge

<table>
<thead>
<tr>
<th>Grade 3 students:</th>
<th>Grade 4 students:</th>
<th>Grade 5 students:</th>
</tr>
</thead>
<tbody>
<tr>
<td>7. Conduct short research projects that build knowledge about a topic.</td>
<td>7. Conduct short research projects that build knowledge through investigation of different aspects of a topic.</td>
<td>Conduct short research projects that use several sources to build knowledge through investigation of different aspects of a topic.</td>
</tr>
<tr>
<td>8. Recall information from experiences or gather information from print and digital sources; take brief notes on sources and sort evidence into provided categories.</td>
<td>8. Recall relevant information from experiences or gather relevant information from print and digital sources; take notes and categorize information, and provide a list of sources.</td>
<td>Recall relevant information from experiences or gather relevant information from print and digital sources; summarize or paraphrase information in notes and finished work, and provide a list of sources.</td>
</tr>
<tr>
<td>9. (Begins in grade 4)</td>
<td>9. Draw evidence from literary or informational texts to support analysis, reflection, and research. a. Apply grade 4 Reading standards to literature (e.g., “Describe in depth a character, setting, or event in a story or drama, drawing on specific details in the text [e.g., a character’s thoughts, words, or actions].”). b. Apply grade 4 Reading standards to informational texts (e.g., “Explain how an author uses reasons and evidence to support particular points in a text”).</td>
<td>9. Draw evidence from literary or informational texts to support analysis, reflection, and research. a. Apply grade 5 Reading standards to literature (e.g., “Compare and contrast two or more characters, settings, or events in a story or a drama, drawing on specific details in the text [e.g., how characters interact?”]). b. Apply grade 5 Reading standards to informational texts (e.g., “Explain how an author uses reasons and evidence to support particular points in a text, identifying which reasons and evidence support which point[s]”).</td>
</tr>
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</table>

### Range of Writing

<table>
<thead>
<tr>
<th>Grade 3 students:</th>
<th>Grade 4 students:</th>
<th>Grade 5 students:</th>
</tr>
</thead>
<tbody>
<tr>
<td>10. Write routinely over extended time frames (time for research, reflection, and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes, and audiences.</td>
<td>10. Write routinely over extended time frames (time for research, reflection, and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes, and audiences.</td>
<td>Write routinely over extended time frames (time for research, reflection, and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes, and audiences.</td>
</tr>
</tbody>
</table>
College and Career Readiness Anchor Standards for Speaking and Listening

The K–5 standards on the following pages define what students should understand and be able to do by the end of each grade. They correspond to the College and Career Readiness (CCR) anchor standards below by number. The CCR and grade-specific standards are necessary complements—the former providing broad standards, the latter providing additional specificity—that together define the skills and understandings that all students must demonstrate.

Comprehension and Collaboration

1. Prepare for and participate effectively in a range of conversations and collaborations with diverse partners, building on others' ideas and expressing their own clearly and persuasively.
2. Integrate and evaluate information presented in diverse media and formats, including visually, quantitatively, and orally.
3. Evaluate a speaker's point of view, reasoning, and use of evidence and rhetoric.

Presentation of Knowledge and Ideas

4. Present information, findings, and supporting evidence such that listeners can follow the line of reasoning and the organization, development, and style are appropriate to task, purpose, and audience.
5. Make strategic use of digital media and visual displays of data to express information and enhance understanding of presentations.
6. Adapt speech to a variety of contexts and communicative tasks, demonstrating command of formal English when indicated or appropriate.

Note on range and content of student speaking and listening

To build a foundation for college and career readiness, students must have ample opportunities to take part in a variety of rich, structured conversations—as part of a whole class, in small groups, and with a partner. Being productive members of these conversations requires that students contribute accurate, relevant information; respond to and develop what others have said; make comparisons and contrasts; and analyze and synthesize a multitude of ideas in various domains.

New technologies have broadened and expanded the role that speaking and listening play in acquiring and sharing knowledge and have tightened their link to other forms of communication. Digital texts confront students with the potential for continually updated content and dynamically changing combinations of words, graphics, images, hyperlinks, and embedded video and audio.
### Speaking and Listening Standards K-5

The following standards for K-5 offer a focus for instruction each year to help ensure that students gain adequate mastery of a range of skills and applications. Students advancing through the grades are expected to meet each year’s grade-specific standards and retain or further develop skills and understandings mastered in preceding grades.

<table>
<thead>
<tr>
<th>Kindergartners:</th>
<th>Grade 1 students:</th>
<th>Grade 2 students:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Comprehension and Collaboration</strong></td>
<td><strong>Comprehension and Collaboration</strong></td>
<td><strong>Comprehension and Collaboration</strong></td>
</tr>
<tr>
<td>1. Participate in collaborative conversations with diverse partners about <em>kindergarten topics and texts</em> with peers and adults in small and larger groups. a. Follow agreed-upon rules for discussions (e.g., listening to others and taking turns speaking about the topics and texts under discussion). b. Continue a conversation through multiple exchanges.</td>
<td>1. Participate in collaborative conversations with diverse partners about <em>grade 1 topics and texts</em> with peers and adults in small and larger groups. a. Follow agreed-upon rules for discussions (e.g., listening to others with care, speaking one at a time about the topics and texts under discussion). b. Build on others’ talk in conversations by responding to the comments of others through multiple exchanges. c. Ask questions to clear up any confusion about the topics and texts under discussion.</td>
<td>1. Participate in collaborative conversations with diverse partners about <em>grade 2 topics and texts</em> with peers and adults in small and larger groups. a. Follow agreed-upon rules for discussions (e.g., gaining the floor in respectful ways, listening to others with care, speaking one at a time about the topics and texts under discussion). b. Build on others’ talk in conversations by linking their comments to the remarks of others. c. Ask for clarification and further explanation as needed about the topics and texts under discussion.</td>
</tr>
<tr>
<td>2. Confirm understanding of a text read aloud or information presented orally or through other media by asking and answering questions about key details and requesting clarification if something is not understood.</td>
<td>2. Ask and answer questions about <em>key details</em> in a text read aloud or information presented orally or through other media.</td>
<td>2. Recount or describe key ideas or details from a text read aloud or information presented orally or through other media.</td>
</tr>
<tr>
<td>3. Ask and answer questions in order to seek help, get information, or clarify something that is not understood.</td>
<td>3. Ask and answer questions about what a speaker says in order to gather additional information or clarify something that is not understood.</td>
<td>3. Ask and answer questions about what a speaker says in order to clarify comprehension, gather additional information, or deepen understanding of a topic or issue.</td>
</tr>
<tr>
<td><strong>Presentation of Knowledge and Ideas</strong></td>
<td><strong>Presentation of Knowledge and Ideas</strong></td>
<td><strong>Presentation of Knowledge and Ideas</strong></td>
</tr>
<tr>
<td>4. Describe familiar people, places, things, and events and, with prompting and support, provide additional detail.</td>
<td>4. Describe people, places, things, and events with relevant details, expressing ideas and feelings clearly.</td>
<td>4. Tell a story or recount an experience with appropriate facts and relevant, descriptive details, speaking audibly in coherent sentences.</td>
</tr>
<tr>
<td>5. Add drawings or other visual displays to descriptions as desired to provide additional detail.</td>
<td>5. Add drawings or other visual displays to descriptions when appropriate to clarify ideas, thoughts, and feelings.</td>
<td>5. Create audio recordings of stories or poems; add drawings or other visual displays to stories or recounts of experiences when appropriate to clarify ideas, thoughts, and feelings.</td>
</tr>
<tr>
<td>6. Speak audibly and express thoughts, feelings, and ideas clearly.</td>
<td>6. Produce complete sentences when appropriate to task and situation.</td>
<td>6. Produce complete sentences when appropriate to task and situation in order to provide requested detail or clarification.</td>
</tr>
</tbody>
</table>
## Speaking and Listening Standards K-5

<table>
<thead>
<tr>
<th>Grade 3 students:</th>
<th>Grade 4 students:</th>
<th>Grade 5 students:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Comprehension and Collaboration</strong></td>
<td><strong>Comprehension and Collaboration</strong></td>
<td><strong>Comprehension and Collaboration</strong></td>
</tr>
<tr>
<td>1. Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on <em>grade 3 topics and texts</em>, building on others’ ideas and expressing their own clearly.</td>
<td>1. Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on <em>grade 4 topics and texts</em>, building on others’ ideas and expressing their own clearly.</td>
<td>1. Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on <em>grade 5 topics and texts</em>, building on others’ ideas and expressing their own clearly.</td>
</tr>
<tr>
<td>a. Come to discussions prepared, having read or studied required material; explicitly draw on that preparation and other information known about the topic to explore ideas under discussion.</td>
<td>a. Come to discussions prepared, having read or studied required material; explicitly draw on that preparation and other information known about the topic to explore ideas under discussion.</td>
<td>a. Come to discussions prepared, having read or studied required material; explicitly draw on that preparation and other information known about the topic to explore ideas under discussion.</td>
</tr>
<tr>
<td>b. Follow agreed-upon rules for discussions (e.g., gaining the floor in respectful ways, listening to others with care, speaking one at a time about the topics and texts under discussion).</td>
<td>b. Follow agreed-upon rules for discussions and carry out assigned roles.</td>
<td>b. Follow agreed-upon rules for discussions and carry out assigned roles.</td>
</tr>
<tr>
<td>c. Ask questions to check understanding of information presented, stay on topic, and link their comments to the remarks of others.</td>
<td>c. Pose and respond to specific questions to clarify or follow up on information, and make comments that contribute to the discussion and link to the remarks of others.</td>
<td>c. Pose and respond to specific questions by making comments that contribute to the discussion and elaborate on the remarks of others.</td>
</tr>
<tr>
<td>d. Explain their own ideas and understanding in light of the discussion.</td>
<td>d. Review the key ideas expressed and explain their own ideas and understanding in light of the discussion.</td>
<td>d. Review the key ideas expressed and draw conclusions in light of information and knowledge gained from the discussions.</td>
</tr>
<tr>
<td><strong>Presentation of Knowledge and Ideas</strong></td>
<td><strong>Presentation of Knowledge and Ideas</strong></td>
<td><strong>Presentation of Knowledge and Ideas</strong></td>
</tr>
<tr>
<td>2. Determine the main ideas and supporting details of a text read aloud or information presented in diverse media and formats, including visually, quantitatively, and orally.</td>
<td>2. Paraphrase portions of a text read aloud or information presented in diverse media and formats, including visually, quantitatively, and orally.</td>
<td>2. Summarize a written text read aloud or information presented in diverse media and formats, including visually, quantitatively, and orally.</td>
</tr>
<tr>
<td>3. Ask and answer questions about information from a speaker, offering appropriate elaboration and detail.</td>
<td>3. Identify the reasons and evidence a speaker provides to support particular points.</td>
<td>3. Summarize the points a speaker makes and explain how each claim is supported by reasons and evidence.</td>
</tr>
<tr>
<td>4. Paraphrase portions of a text read aloud or information presented in diverse media and formats, including visually, quantitatively, and orally.</td>
<td>4. Report on a topic or text, tell a story, or recount an experience in an organized manner, using appropriate facts and relevant, descriptive details to support main ideas or themes; speak clearly at an understandable pace.</td>
<td>4. Report on a topic or text or present an opinion, sequencing ideas logically and using appropriate facts and relevant, descriptive details to support main ideas or themes; speak clearly at an understandable pace.</td>
</tr>
<tr>
<td>5. Create engaging audio recordings of stories or poems that demonstrate fluid reading at an understandable pace; add visual displays when appropriate to emphasize or enhance certain facts or details.</td>
<td>5. Add audio recordings and visual displays to presentations when appropriate to enhance the development of main ideas or themes.</td>
<td>5. Include multimedia components (e.g., graphics, sound) and visual displays in presentations when appropriate to enhance the development of main ideas or themes.</td>
</tr>
<tr>
<td>6. Speak in complete sentences when appropriate to task and situation in order to provide requested detail or clarification.</td>
<td>6. Differentiate between contexts that call for formal English (e.g., presenting ideas) and situations where informal discourse is appropriate (e.g., small-group discussion); use formal English when appropriate to task and situation.</td>
<td>6. Adapt speech to a variety of contexts and tasks, using formal English when appropriate to task and situation.</td>
</tr>
</tbody>
</table>
College and Career Readiness Anchor Standards for Language

The K–5 standards on the following pages define what students should understand and be able to do by the end of each grade. They correspond to the College and Career Readiness (CCR) anchor standards below by number. The CCR and grade-specific standards are necessary complements—the former providing broad standards, the latter providing additional specificity—that together define the skills and understandings that all students must demonstrate.

Conventions of Standard English

1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.
2. Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.

Knowledge of Language

3. Apply knowledge of language to understand how language functions in different contexts, to make effective choices for meaning or style, and to comprehend more fully when reading or listening.

Vocabulary Acquisition and Use

4. Determine or clarify the meaning of unknown and multiple-meaning words and phrases by using context clues, analyzing meaningful word parts, and consulting general and specialized reference materials, as appropriate.
5. Demonstrate understanding of figurative language, word relationships, and nuances in word meanings.
6. Acquire and use accurately a range of general academic and domain-specific words and phrases sufficient for reading, writing, speaking, and listening at the college and career readiness level; demonstrate independence in gathering vocabulary knowledge when encountering an unknown term important to comprehension or expression.

Note on range and content of student language use

To build a foundation for college and career readiness in language, students must gain control over many conventions of standard English grammar, usage, and mechanics as well as learn other ways to use language to convey meaning effectively. They must also be able to determine or clarify the meaning of grade-appropriate words encountered through listening, reading, and media use; come to appreciate that words have nonliteral meanings, shadings of meaning, and relationships to other words; and expand their vocabulary in the course of studying content. The inclusion of Language standards in their own strand should not be taken as an indication that skills related to conventions, effective language use, and vocabulary are unimportant to reading, writing, speaking, and listening; indeed, they are inseparable from such contexts.
## Language Standards K-5

The following standards for grades K-5 offer a focus for instruction each year to help ensure that students gain adequate mastery of a range of skills and applications. **Students advancing through the grades are expected to meet each year’s grade-specific standards and retain or further develop skills and understandings mastered in preceding grades.** Beginning in grade 3, skills and understandings that are particularly likely to require continued attention in higher grades as they are applied to increasingly sophisticated writing and speaking are marked with an asterisk (*).

### Conventions of Standard English

<table>
<thead>
<tr>
<th>Kindergartners:</th>
<th>Grade 1 students:</th>
<th>Grade 2 students:</th>
</tr>
</thead>
</table>
| **1.** Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.  
   a. Print many upper- and lowercase letters.  
   b. Use frequently occurring nouns and verbs.  
   c. Form regular plural nouns orally by adding /s/ or /es/ (e.g., dog, dogs; wish, wishes).  
   d. Understand and use question words (interrogatives) (e.g., who, what, where, when, why, how).  
   e. Use the most frequently occurring prepositions (e.g., to, from, in, out, on, off, for, of, by, with).  
   f. Produce and expand complete sentences in shared language activities.  | **1.** Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.  
   a. Print all upper- and lowercase letters.  
   b. Use common, proper, and possessive nouns.  
   c. Use singular and plural nouns with matching verbs in basic sentences (e.g., He hops; We hop).  
   d. Use personal, possessive, and indefinite pronouns (e.g., I, me, my; they, them, their; anyone, everything).  
   e. Use verbs to convey a sense of past, present, and future (e.g., Yesterday I walked home; Today I walk home; Tomorrow I will walk home).  
   f. Use frequently occurring adjectives.  
   g. Use frequently occurring conjunctions (e.g., and, but, or, so, because).  
   h. Use determiners (e.g., articles, demonstratives).  
   i. Use frequently occurring prepositions (e.g., during, beyond, toward).  
   j. Produce and expand complete simple and compound declarative, interrogative, imperative, and exclamatory sentences in response to prompts.  | **1.** Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.  
   a. Use collective nouns (e.g., group).  
   b. Form and use frequently occurring irregular plural nouns (e.g., feet, children, teeth, mice, fish).  
   c. Use reflexive pronouns (e.g., myself, ourselves).  
   d. Form and use the past tense of frequently occurring irregular verbs (e.g., sat, hid, told).  
   e. Use adjectives and adverbs, and choose between them depending on what is to be modified.  
   f. Produce, expand, and rearrange complete simple and compound sentences (e.g., The boy watched the movie; The little boy watched the movie; The action movie was watched by the little boy).  |

| **2.** Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.  
   a. Capitalize the first word in a sentence and the pronoun I.  
   b. Recognize and name end punctuation.  
   c. Write a letter or letters for most consonant and short-vowel sounds (phonemes).  
   d. Spell simple words phonetically, drawing on knowledge of sound-letter relationships.  | **2.** Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.  
   a. Capitalize dates and names of people.  
   b. Use end punctuation for sentences.  
   c. Use commas in dates and to separate single words in a series.  
   d. Use conventional spelling for words with common spelling patterns and for frequently occurring irregular words.  
   e. Spell untaught words phonetically, drawing on phonemic awareness and spelling conventions.  | **2.** Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.  
   a. Capitalize holidays, product names, and geographic names.  
   b. Use commas in greetings and closings of letters.  
   c. Use an apostrophe to form contractions and frequently occurring possessives.  
   d. Generalize learned spelling patterns when writing words (e.g., cage → badge; boy → boil).  
   e. Consult reference materials, including beginning dictionaries, as needed to check and correct spellings.  |

### Kindergarten Language Standards K–5

The following standards for grades K–5 offer a focus for instruction each year to help ensure that students gain adequate mastery of a range of skills and applications. **Students advancing through the grades are expected to meet each year’s grade-specific standards and retain or further develop skills and understandings mastered in preceding grades.** Beginning in grade 3, skills and understandings that are particularly likely to require continued attention in higher grades as they are applied to increasingly sophisticated writing and speaking are marked with an asterisk (*).
Language Standards K-5

### Knowledge of Language

**Kindergartners:**

3. (Begins in grade 2)

**Grade 1 students:**

3. (Begins in grade 2)

**Grade 2 students:**

3. Use knowledge of language and its conventions when writing, speaking, reading, or listening.
   a. Compare formal and informal uses of English.

### Vocabulary Acquisition and Use

4. Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on kindergarten reading and content.
   a. Identify new meanings for familiar words and apply them accurately (e.g., knowing *duck* is a bird and learning the verb to *duck*).
   b. Use the most frequently occurring inflections and affixes (e.g., *-ed, -s, re-, un-, pre-, -ful, -less*) as a clue to the meaning of an unknown word.

**Kindergartners:**

4. Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 1 reading and content.
   a. Use sentence-level context as a clue to the meaning of a word or phrase.
   b. Use frequency occurring affixes as a clue to the meaning of a word.
   c. Identify frequency occurring root words (e.g., *look* and their inflectional forms (e.g., *looks, looked, looking*).

**Grade 1 students:**

4. Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 1 reading and content, choosing flexibly from an array of strategies.
   a. Use sentence-level context as a clue to the meaning of a word or phrase.
   b. Determine the meaning of the new word formed when a known prefix is added to a known word (e.g., *happy/unhappy, tell/retell*).
   c. Use a known root word as a clue to the meaning of an unknown word with the same root (e.g., *addition, additional*).
   d. Use knowledge of the meaning of individual words to predict the meaning of compound words (e.g., *birdhouse, lighthouse, housefly; bookshelf, notebook, bookmark*).
   e. Use glossaries and beginning dictionaries, both print and digital, to determine or clarify the meaning of words and phrases.

**Grade 2 students:**

5. With guidance and support from adults, explore word relationships and nuances in word meanings.
   a. Sort common objects into categories (e.g., shapes, foods) to gain a sense of the concepts the categories represent.
   b. Demonstrate understanding of frequently occurring verbs and adjectives by relating them to their opposites (antonyms).
   c. Identify real-life connections between words and their use (e.g., note places at school that are *colorful*).
   d. Distinguish shades of meaning among verbs describing the same general action (e.g., *walk, march, strut, prance*) by acting out the meanings.

5. With guidance and support from adults, demonstrate understanding of word relationships and nuances in word meanings.
   a. Sort words into categories (e.g., colors, clothing) to gain a sense of the concepts the categories represent.
   b. Define words by category and by one or more key attributes (e.g., a *duck* is a bird that swims; a *tiger* is a large cat with stripes).
   c. Identify real-life connections between words and their use (e.g., note places at home that are *cozy*).
   d. Distinguish shades of meaning among verbs differing in manner (e.g., *look, peek, glance, stare, glare, scowl*) and adjectives differing in intensity (e.g., *large, gigantic*) by defining or choosing them or by acting out the meanings.

5. Demonstrate understanding of word relationships and nuances in word meanings.
   a. Identify real-life connections between words and their use (e.g., describe foods that are *spicy* or *juicy*).
   b. Distinguish shades of meaning among closely related verbs (e.g., *toss, throw, hurl*) and closely related adjectives (e.g., *thin, slender, skinny, scrawny*).

6. Use words and phrases acquired through conversations, reading and being read to, and responding to texts.

**Kindergartners:**

6. Use words and phrases acquired through conversations, reading and being read to, and responding to texts, including using frequently occurring conjunctions to signal simple relationships (e.g., *because*).

**Grade 1 students:**

6. Use words and phrases acquired through conversations, reading and being read to, and responding to texts, including using adjectives and adverbs to describe (e.g., *When other kids are happy that makes me happy*).
## Language Standards K–5

### Knowledge of Language

<table>
<thead>
<tr>
<th>Grade 3 students:</th>
<th>Grade 4 students:</th>
<th>Grade 5 students:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>3.</strong> Use knowledge of language and its conventions when writing, speaking, reading, or listening.</td>
<td><strong>3.</strong> Use knowledge of language and its conventions when writing, speaking, reading, or listening.</td>
<td><strong>3.</strong> Use knowledge of language and its conventions when writing, speaking, reading, or listening.</td>
</tr>
<tr>
<td>b. Recognize and observe differences between the conventions of spoken and written standard English.</td>
<td>b. Choose punctuation for effect.*</td>
<td>b. Compare and contrast the varieties of English (e.g., dialects, registers) used in stories, dramas, or poems.</td>
</tr>
</tbody>
</table>

### Vocabulary Acquisition and Use

<table>
<thead>
<tr>
<th>Grade 3 students:</th>
<th>Grade 4 students:</th>
<th>Grade 5 students:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>4.</strong> Determine or clarify the meaning of unknown and multiple-meaning word and phrases based on grade 3 reading and content, choosing flexibly from a range of strategies.</td>
<td><strong>4.</strong> Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 4 reading and content, choosing flexibly from a range of strategies.</td>
<td><strong>4.</strong> Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 5 reading and content, choosing flexibly from a range of strategies.</td>
</tr>
<tr>
<td>a. Use sentence-level context as a clue to the meaning of a word or phrase.</td>
<td>a. Use context (e.g., definitions, examples, or restatements in text) as a clue to the meaning of a word or phrase.</td>
<td>a. Use context (e.g., cause/effect relationships and comparisons in text) as a clue to the meaning of a word or phrase.</td>
</tr>
<tr>
<td>b. Determine the meaning of the new word formed when a known affix is added to a known word (e.g., disagreeable/disagreeable, comfortable/uncomfortable, care/careless, heat/preheat).</td>
<td>b. Use common, grade-appropriate Greek and Latin affixes and roots as clues to the meaning of a word (e.g., telegraph, photograph, autograph).</td>
<td>b. Use common, grade-appropriate Greek and Latin affixes and roots as clues to the meaning of a word (e.g., photograph, photosynthesis).</td>
</tr>
<tr>
<td>c. Use a known root word as a clue to the meaning of an unknown word with the same root (e.g., company, companion).</td>
<td>c. Consult reference materials (e.g., dictionaries, glossaries, thesauruses), both print and digital, to find the pronunciation and determine or clarify the precise meaning of key words and phrases.</td>
<td>c. Consult reference materials (e.g., dictionaries, glossaries, thesauruses), both print and digital, to find the pronunciation and determine or clarify the precise meaning of key words and phrases.</td>
</tr>
<tr>
<td>d. Use glossaries or beginning dictionaries, both print and digital, to determine or clarify the precise meaning of key words and phrases.</td>
<td>d. Use knowledge of language and its conventions when writing, speaking, reading, or listening.</td>
<td>d. Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases, including those that signal contrast, addition, and other logical relationships (e.g., however, although, nevertheless, similarly, moreover, in addition).</td>
</tr>
</tbody>
</table>

### Demonstrate understanding of word relationships and nuances in word meanings.

<table>
<thead>
<tr>
<th>Grade 3 students:</th>
<th>Grade 4 students:</th>
<th>Grade 5 students:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>5.</strong></td>
<td><strong>5.</strong></td>
<td><strong>5.</strong></td>
</tr>
<tr>
<td>a. Distinguish the literal and nonliteral meanings of words and phrases in context (e.g., take steps).</td>
<td>a. Distinguish the literal and nonliteral meanings of words and phrases in context (e.g., as pretty as a picture) in context.</td>
<td>a. Interpret figurative language, including similes and metaphors, in context.</td>
</tr>
<tr>
<td>b. Identify real-life connections between words and their use (e.g., describe people who are friendly or helpful).</td>
<td>b. Recognize and explain the meaning of common idioms, adages, and proverbs.</td>
<td>b. Recognize and explain the meaning of common idioms, adages, and proverbs.</td>
</tr>
<tr>
<td>c. Distinguish shades of meaning among related words that describe states of mind or degrees of certainty (e.g., knew, believed, suspected, heard, wondered).</td>
<td>c. Demonstrate understanding of words by relating them to their opposites (antonyms) and to words with similar but not identical meanings (synonyms).</td>
<td>c. Use the relationship between particular words (e.g., synonyms, antonyms, homographs) to better understand each of the words.</td>
</tr>
</tbody>
</table>

### Acquire and use accurately grade-appropriate conversational, general academic, and domain-specific words and phrases, including those that signal spatial and temporal relationships (e.g., After dinner that night we went looking for them).

<table>
<thead>
<tr>
<th>Grade 3 students:</th>
<th>Grade 4 students:</th>
<th>Grade 5 students:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>6.</strong></td>
<td><strong>6.</strong></td>
<td><strong>6.</strong></td>
</tr>
<tr>
<td>Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases, including those that signal precise actions, emotions, or states of being (e.g., quizzed, whined, stammered) and that are basic to a particular topic (e.g., wildlife, conservation, and</td>
<td>Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases, including those that signal contrast, addition, and other logical relationships (e.g., however, although, nevertheless, similarly, moreover, in addition).</td>
<td>Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases, including those that signal contrast, addition, and other logical relationships (e.g., however, although, nevertheless, similarly, moreover, in addition).</td>
</tr>
</tbody>
</table>
## Language Progressive Skills, by Grade

The following skills, marked with an asterisk (*) in Language standards 1–3, are particularly likely to require continued attention in higher grades as they are applied to increasingly sophisticated writing and speaking.

<table>
<thead>
<tr>
<th>Standard</th>
<th>Grade(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>L.3.1f.</strong> Ensure subject-verb and pronoun-antecedent agreement.</td>
<td>3</td>
</tr>
<tr>
<td><strong>L.3.3a.</strong> Choose words and phrases for effect.</td>
<td>3</td>
</tr>
<tr>
<td><strong>L.4.1f.</strong> Produce complete sentences, recognizing and correcting inappropriate fragments and run-ons.</td>
<td>3</td>
</tr>
<tr>
<td><strong>L.4.1g.</strong> Correctly use frequently confused words (e.g., to/too/two; there/their).</td>
<td>3</td>
</tr>
<tr>
<td><strong>L.4.3a.</strong> Choose words and phrases to convey ideas precisely.</td>
<td>3</td>
</tr>
<tr>
<td><strong>L.4.3b.</strong> Choose punctuation for effect.</td>
<td>3</td>
</tr>
<tr>
<td><strong>L.5.1d.</strong> Recognize and correct inappropriate shifts in verb tense.</td>
<td>3</td>
</tr>
<tr>
<td><strong>L.5.2a.</strong> Use punctuation to separate items in a series.†</td>
<td>3</td>
</tr>
<tr>
<td><strong>L.6.1c.</strong> Recognize and correct inappropriate shifts in pronoun number and person.</td>
<td>3</td>
</tr>
<tr>
<td><strong>L.6.1d.</strong> Recognize and correct vague pronouns (i.e., ones with unclear or ambiguous antecedents).</td>
<td>3</td>
</tr>
<tr>
<td><strong>L.6.1e.</strong> Recognize variations from standard English in their own and others’ writing and speaking, and identify and use strategies to improve expression in conventional language.</td>
<td>3</td>
</tr>
<tr>
<td><strong>L.6.2a.</strong> Use punctuation (commas, parentheses, dashes) to set off nonrestrictive/parenthetical elements.</td>
<td>3</td>
</tr>
<tr>
<td><strong>L.6.3a.</strong> Vary sentence patterns for meaning, reader/listener interest, and style.‡</td>
<td>3</td>
</tr>
<tr>
<td><strong>L.6.3b.</strong> Maintain consistency in style and tone.</td>
<td>3</td>
</tr>
<tr>
<td><strong>L.7.1c.</strong> Place phrases and clauses within a sentence, recognizing and correcting misplaced and dangling modifiers.</td>
<td>3</td>
</tr>
<tr>
<td><strong>L.7.3a.</strong> Choose language that expresses ideas precisely and concisely, recognizing and eliminating wordiness and redundancy.</td>
<td>3</td>
</tr>
<tr>
<td><strong>L.8.1d.</strong> Recognize and correct inappropriate shifts in verb voice and mood.</td>
<td>3</td>
</tr>
<tr>
<td><strong>L.9–10.1a.</strong> Use parallel structure.</td>
<td>3</td>
</tr>
</tbody>
</table>

*Subsumed by L.7.3a
†Subsumed by L.9-10.1a
‡Subsumed by L.11-12.3a
Standard 10: Range, Quality, and Complexity of Student Reading K–5

Measuring Text Complexity: Three Factors

**Qualitative evaluation of the text:** Levels of meaning, structure, language conventionality and clarity, and knowledge demands

**Quantitative evaluation of the text:** Readability measures and other scores of text complexity

**Matching reader to text and task:** Reader variables (such as motivation, knowledge, and experiences) and task variables (such as purpose and the complexity generated by the task assigned and the questions posed)

Range of Text Types for K–5

Students in K–5 apply the Reading standards to the following range of text types, with texts selected from a broad range of cultures and periods.

<table>
<thead>
<tr>
<th>Literature</th>
<th>Informational Text</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Stories</strong></td>
<td><strong>Literary Nonfiction and Historical, Scientific, and Technical Texts</strong></td>
</tr>
<tr>
<td>Includes children's adventure</td>
<td>Includes biographies and autobiographies; books about history, social</td>
</tr>
<tr>
<td>stories, folktales, legends,</td>
<td>studies, science, and the arts; technical texts, including directions,</td>
</tr>
<tr>
<td>fables, fantasy, realistic</td>
<td>forms, and information displayed in graphs, charts, or maps; and digital</td>
</tr>
<tr>
<td>fiction, and myth</td>
<td>sources on a range of topics</td>
</tr>
<tr>
<td></td>
<td><strong>Dramas</strong></td>
</tr>
<tr>
<td>Includes staged dialogue and</td>
<td><strong>Poetry</strong></td>
</tr>
<tr>
<td>brief familiar scenes</td>
<td>Includes nursery rhymes and the subgenres of the narrative</td>
</tr>
<tr>
<td></td>
<td>poem, limerick, and free verse poem</td>
</tr>
<tr>
<td>**Literary Nonfiction and</td>
<td><strong>Historical, Scientific, and Technical Texts</strong></td>
</tr>
<tr>
<td>Historical, Scientific, and</td>
<td></td>
</tr>
<tr>
<td>Technical Texts</td>
<td></td>
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<td></td>
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</tbody>
</table>
# Texts Illustrating the Complexity, Quality, and Range of Student Reading K-5

<table>
<thead>
<tr>
<th>Informational Texts: Literary Nonfiction and Historical, Scientific, and Technical Texts</th>
</tr>
</thead>
<tbody>
<tr>
<td>K*</td>
</tr>
<tr>
<td>- My Five Senses by Ailiki (1962)**</td>
</tr>
<tr>
<td>- Truck by Donald Crews (1980)</td>
</tr>
<tr>
<td>- I Read Signs by Tana Hoban (1987)</td>
</tr>
<tr>
<td>- What Do You Do With a Tail Like This? by Steve Jenkins and Robin Page (2003)*</td>
</tr>
<tr>
<td>- Amazing Whales! by Sarah L. Thomson (2005)*</td>
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<tr>
<td>1*</td>
</tr>
<tr>
<td>- A Tree Is a Plant by Clyde Robert Bulla, illustrated by Stacey Schuett (1960)**</td>
</tr>
<tr>
<td>- Starfish by Edith Thacher Hurd (1962)</td>
</tr>
<tr>
<td>- Follow the Water from Brook to Ocean by Arthur Dorros (1991)**</td>
</tr>
<tr>
<td>- From Seed to Pumpkin by Wendy Pfeffer, illustrated by James Graham Hale (2004)*</td>
</tr>
<tr>
<td>- How People Learned to Fly by Fran Hodgkins and True Kelley (2007)*</td>
</tr>
<tr>
<td>2-3</td>
</tr>
<tr>
<td>- A Medieval Feast by Ailiki (1983)</td>
</tr>
<tr>
<td>- From Seed to Plant by Gail Gibbons (1991)</td>
</tr>
<tr>
<td>- The Story of Ruby Bridges by Robert Coles (1995)*</td>
</tr>
<tr>
<td>4-5</td>
</tr>
<tr>
<td>- Horses by Seymour Simon (2006)</td>
</tr>
<tr>
<td>- Quest for the Tree Kangaroo: An Expedition to the Cloud Forest of New Guinea by Sy Montgomery (2006)</td>
</tr>
</tbody>
</table>

**Note:** Given space limitations, the illustrative texts listed above are meant only to show individual titles that are representative of a wide range of topics and genres. (See Appendix B for excerpts of these and other texts illustrative of K-5 text complexity, quality, and range.) At a curricular or instructional level, within and across grade levels, texts need to be selected around topics or themes that generate knowledge and allow students to study those topics or themes in depth. On the next page is an example of progressions of texts building knowledge across grade levels.

*Children at the kindergarten and grade 1 levels should be expected to read texts independently that have been specifically written to correlate to their reading level and their word knowledge. Many of the titles listed above are meant to supplement carefully structured independent reading with books to read along with a teacher or that are read aloud to students to build knowledge and cultivate a joy in reading.
Staying on Topic Within a Grade and Across Grades: How to Build Knowledge Systematically

Building knowledge systematically in English language arts is like giving children various pieces of a puzzle in each grade that, over time, will form one big picture. At a curricular or instructional level, texts—within and across grade levels—need to be selected around topics or themes that systematically develop the knowledge base of students. Within a grade level, there should be an adequate number of titles on a single topic that would allow children to study that topic for a sustained period. The knowledge children have learned about particular topics in early grade levels should then be expanded and developed in subsequent grade levels to ensure an increasingly deeper understanding of these topics. Children in the upper elementary grades will generally be expected to read these texts independently and reflect on them in writing. However, children in the early grades (particularly K–2) should participate in rich, structured conversations with an adult in response to the written texts that are read aloud, orally comparing and contrasting as well as analyzing and synthesizing, in the manner called for by the Standards.

Preparation for reading complex informational texts should begin at the very earliest elementary school grades. What follows is one example that uses domain-specific nonfiction titles across grade levels to illustrate how curriculum designers and classroom teachers can infuse the English language arts block with rich, age-appropriate content knowledge and vocabulary in history/social studies, science, and the arts. Having students listen to informational read-alouds in the early grades helps lay the necessary foundation for students’ reading and understanding of increasingly complex texts on their own in subsequent grades.

<table>
<thead>
<tr>
<th>Exemplar Texts on a Topic Across Grades</th>
<th>K</th>
<th>1</th>
<th>2–3</th>
<th>4–5</th>
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</thead>
<tbody>
<tr>
<td><strong>The Human Body</strong></td>
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<tr>
<td>Students can begin learning about the human body starting in kindergarten and then review and extend their learning during each subsequent grade.</td>
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<tr>
<td>The five senses and associated body parts</td>
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<tr>
<td>• My Five Senses by Aliki (1989)</td>
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<tr>
<td>• Hearing by Maria Rius (1985)</td>
<td></td>
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<tr>
<td>• Sight by Maria Rius (1985)</td>
<td></td>
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<td>• Smell by Maria Rius (1985)</td>
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<tr>
<td>• Taste by Maria Rius (1985)</td>
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<tr>
<td>• Touch by Maria Rius (1985)</td>
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<tr>
<td><strong>Taking care of your body: Overview (hygiene, diet, exercise, rest)</strong></td>
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<tr>
<td>• My Amazing Body: A First Look at Health &amp; Fitness by Pat Thomas (2001)</td>
<td></td>
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<tr>
<td>• Get Up and Go! by Nancy Carlson (2008)</td>
<td></td>
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<tr>
<td>• Go Wash Up by Doering Tourville (2008)</td>
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<tr>
<td>• Sleep by Paul Showers (1997)</td>
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<tr>
<td>• Fuel the Body by Doering Tourville (2008)</td>
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<tr>
<td><strong>Introduction to the systems of the human body and associated body parts</strong></td>
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<tr>
<td>• Under Your Skin: Your Amazing Body by Mick Manning (2007)</td>
<td></td>
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<tr>
<td>• Me and My Amazing Body by Joan Sweeney (1999)</td>
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<tr>
<td>• The Human Body by Gallimard Jeunesse (2007)</td>
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<td>• The Busy Body Book by Lizzy Rockwell (2008)</td>
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<tr>
<td><strong>Taking care of your body: Germs, diseases, and preventing illness</strong></td>
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<tr>
<td>• Germs Make Me Sick by Marilyn Berger (1995)</td>
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<td>• Tiny Life on Your Body by Christine Taylor-Butler (2005)</td>
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<td>• Germ Stories by Arthur Kornberg (2007)</td>
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<tr>
<td>• All About Scabs by GenichiroYagu (1998)</td>
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<tr>
<td><strong>Digestive and excretory systems</strong></td>
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<tr>
<td>• What Happens to a Hamburger by Paul Showers (1985)</td>
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<tr>
<td>• The Digestive System by Christine Taylor-Butler (2008)</td>
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<tr>
<td>• The Digestive System by Rebecca L. Johnson (2006)</td>
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<tr>
<td>• The Digestive System by Kristin Petrie (2007)</td>
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<tr>
<td><strong>Taking care of your body: Health and nutrition</strong></td>
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<tr>
<td>• Good Enough to Eat by Lizzy Rockwell (1999)</td>
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<tr>
<td>• Showdown at the Food Pyramid by Rex Barron (2004)</td>
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<tr>
<td><strong>Muscular, skeletal, and nervous systems</strong></td>
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<tr>
<td>• The Mighty Muscular and Skeletal Systems Crabtree Publishing (2009)</td>
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<tr>
<td>• Muscles by Seymour Simon (1998)</td>
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<tr>
<td>• Bones by Seymour Simon (1998)</td>
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<tr>
<td>• The Astounding Nervous System Crabtree Publishing (2009)</td>
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<tr>
<td>• The Nervous System by Joelle Riley (2004)</td>
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</tbody>
</table>

**Circulatory system**

• The Heart by Seymour Simon (2006)
• The Heart and Circulation by Carol Ballard (2005)
• The Circulatory System by Kristin Petrie (2007)
• The Amazing Circulatory System by John Burstein (2009)

**Respiratory system**

• The Lungs by Seymour Simon (2007)
• The Respiratory System by Susan Glass (2004)
• The Respiratory System by Kristin Petrie (2007)
• The Remarkable Respiratory System by John Burstein (2009)

**Endocrine system**

• The Endocrine System by Rebecca Olien (2006)
• The Exciting Endocrine System by John Burstein (2009)
College and Career Readiness Anchor Standards for Reading

The grades 6-12 standards on the following pages define what students should understand and be able to do by the end of each grade span. They correspond to the College and Career Readiness (CCR) anchor standards below by number. The CCR and grade-specific standards are necessary complements—the former providing broad standards, the latter providing additional specificity—that together define the skills and understandings that all students must demonstrate.

Key Ideas and Details
1. Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.
2. Determine central ideas or themes of a text and analyze their development; summarize the key supporting details and ideas.
3. Analyze how and why individuals, events, or ideas develop and interact over the course of a text.

Craft and Structure
4. Interpret words and phrases as they are used in a text, including determining technical, connotative, and figurative meanings, and analyze how specific word choices shape meaning or tone.
5. Analyze the structure of texts, including how specific sentences, paragraphs, and larger portions of the text (e.g., a section, chapter, scene, or stanza) relate to each other and the whole.
6. Assess how point of view or purpose shapes the content and style of a text.

Integration of Knowledge and Ideas
7. Integrate and evaluate content presented in diverse formats and media, including visually and quantitatively, as well as in words.*
8. Delineate and evaluate the argument and specific claims in a text, including the validity of the reasoning as well as the relevance and sufficiency of the evidence.
9. Analyze how two or more texts address similar themes or topics in order to build knowledge or to compare the approaches the authors take.

Range of Reading and Level of Text Complexity
10. Read and comprehend complex literary and informational texts independently and proficiently.

*Please see “Research to Build and Present Knowledge” in Writing for additional standards relevant to gathering, assessing, and applying information from print and digital sources.

Note on range and content of student reading

Reading is critical to building knowledge in history/social studies as well as in science and technical subjects. College and career ready reading in these fields requires an appreciation of the norms and conventions of each discipline, such as the kinds of evidence used in history and science; an understanding of domain-specific words and phrases; an attention to precise details; and the capacity to evaluate intricate arguments, synthesize complex information, and follow detailed descriptions of events and concepts.

In history/social studies, for example, students need to be able to analyze, evaluate, and differentiate primary and secondary sources. When reading scientific and technical texts, students need to be able to gain knowledge from challenging texts that often make extensive use of elaborate diagrams and data to convey information and illustrate concepts. Students must be able to read complex informational texts in these fields with independence and confidence because the vast majority of reading in college and workforce training programs will be sophisticated nonfiction. It is important to note that these Reading standards are meant to complement the specific content demands of the disciplines, not replace them.
## Reading Standards for Literacy in All Subjects

The standards below begin at grade 6; standards for K–5 reading in history/social studies, science, and technical subjects are integrated into the K–5 Reading standards. The CCR anchor standards and high school standards in literacy work in tandem to define college and career readiness expectations—the former providing broad standards, the latter providing additional specificity.

<table>
<thead>
<tr>
<th>Grades 6–8 students:</th>
<th>Grades 9–10 students:</th>
<th>Grades 11–12 students:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Key Ideas and Details</strong></td>
<td><strong>Key Ideas and Details</strong></td>
<td><strong>Key Ideas and Details</strong></td>
</tr>
<tr>
<td>1. Cite specific textual evidence to support analysis of primary and secondary sources.</td>
<td>1. Cite specific textual evidence to support analysis of primary and secondary sources, attending to such features as the date and origin of the information.</td>
<td>1. Cite specific textual evidence to support analysis of primary and secondary sources, connecting insights gained from specific details to an understanding of the text as a whole.</td>
</tr>
<tr>
<td>2. Determine the central ideas or information of a primary or secondary source; provide an accurate summary of the source distinct from prior knowledge or opinions.</td>
<td>2. Determine the central ideas or information of a primary or secondary source; provide an accurate summary of how key events or ideas develop over the course of the text.</td>
<td>2. Determine the central ideas or information of a primary or secondary source; provide an accurate summary that makes clear the relationships among the key details and ideas.</td>
</tr>
<tr>
<td>3. Identify key steps in a text’s description of a process related to history/social studies (e.g., how a bill becomes law, how interest rates are raised or lowered).</td>
<td>3. Analyze in detail a series of events described in a text; determine whether earlier events caused later ones or simply preceded them.</td>
<td>3. Evaluate various explanations for actions or events and determine which explanation best accords with textual evidence, acknowledging where the text leaves matters uncertain.</td>
</tr>
<tr>
<td><strong>Craft and Structure</strong></td>
<td><strong>Craft and Structure</strong></td>
<td><strong>Craft and Structure</strong></td>
</tr>
<tr>
<td>4. Determine the meaning of words and phrases as they are used in a text, including vocabulary specific to domains related to history/social studies.</td>
<td>4. Determine the meaning of words and phrases as they are used in a text, including vocabulary describing political, social, or economic aspects of history/social studies.</td>
<td>4. Determine the meaning of words and phrases as they are used in a text, including analyzing how an author uses and refines the meaning of a key term over the course of a text (e.g., how Madison defines faction in Federalist No. 10).</td>
</tr>
<tr>
<td>5. Describe how a text presents information (e.g., sequentially, comparatively, causally).</td>
<td>5. Analyze how a text uses structure to emphasize key points or advance an explanation or analysis.</td>
<td>5. Analyze in detail how a complex primary source is structured, including how key sentences, paragraphs, and larger portions of the text contribute to the whole.</td>
</tr>
<tr>
<td>6. Identify aspects of a text that reveal an author’s point of view or purpose (e.g., loaded language, inclusion or avoidance of particular facts).</td>
<td>6. Compare the point of view of two or more authors for how they treat the same or similar topics, including which details they include and emphasize in their respective accounts.</td>
<td>6. Evaluate authors’ differing points of view on the same historical event or issue by assessing the authors’ claims, reasoning, and evidence.</td>
</tr>
<tr>
<td><strong>Integration of Knowledge and Ideas</strong></td>
<td><strong>Integration of Knowledge and Ideas</strong></td>
<td><strong>Integration of Knowledge and Ideas</strong></td>
</tr>
<tr>
<td>7. Integrate visual information (e.g., in charts, graphs, photographs, videos, or maps) with other information in print and digital texts.</td>
<td>7. Integrate quantitative or technical analysis (e.g., charts, research data) with qualitative analysis in print or digital text.</td>
<td>7. Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., visually, quantitatively, as well as in words) in order to address a question or solve a problem.</td>
</tr>
<tr>
<td>8. Distinguish among fact, opinion, and reasoned judgment in a text.</td>
<td>8. Assess the extent to which the reasoning and evidence in a text support the author’s claims.</td>
<td>8. Evaluate an author’s premises, claims, and evidence by corroborating or challenging them with other information.</td>
</tr>
<tr>
<td>9. Analyze the relationship between a primary and secondary source on the same topic.</td>
<td>9. Compare and contrast treatments of the same topic in several primary and secondary sources.</td>
<td>9. Integrate information from diverse sources, both primary and secondary, into a coherent understanding of an idea or event, noting discrepancies among sources.</td>
</tr>
<tr>
<td><strong>Range of Reading and Level of Text Complexity</strong></td>
<td><strong>Range of Reading and Level of Text Complexity</strong></td>
<td><strong>Range of Reading and Level of Text Complexity</strong></td>
</tr>
<tr>
<td>10. By the end of grade 8, read and comprehend history/social studies texts in the grades 6–8 text complexity band independently and proficiently.</td>
<td>10. By the end of grade 10, read and comprehend history/social studies texts in the grades 9–10 text complexity band independently and proficiently.</td>
<td>10. By the end of grade 12, read and comprehend history/social studies texts in the grades 11–CCR text complexity band independently and proficiently.</td>
</tr>
</tbody>
</table>
### Reading Standards for Literacy in All Subjects

<table>
<thead>
<tr>
<th>Grades 6–8 students:</th>
<th>Grades 9–10 students:</th>
<th>Grades 11–12 students:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Key Ideas and Details</strong></td>
<td><strong>Craft and Structure</strong></td>
<td><strong>Integration of Knowledge and Ideas</strong></td>
</tr>
<tr>
<td>1. Cite specific textual evidence to support analysis of science and technical texts.</td>
<td>1. Cite specific textual evidence to support analysis of science and technical texts, attending to the precise details of explanations or descriptions.</td>
<td>1. Cite specific textual evidence to support analysis of science and technical texts, attending to important distinctions the author makes and to any gaps or inconsistencies in the account.</td>
</tr>
<tr>
<td>2. Determine the central ideas or conclusions of a text; provide an accurate summary of the text distinct from prior knowledge or opinions.</td>
<td>2. Determine the central ideas or conclusions of a text; trace the text’s explanation or depiction of a complex process, phenomenon, or concept; provide an accurate summary of the text.</td>
<td>2. Determine the central ideas or conclusions of a text; summarize complex concepts, processes, or information presented in a text by paraphrasing them in simpler but still accurate terms.</td>
</tr>
<tr>
<td>3. Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.</td>
<td>3. Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks, attending to special cases or exceptions defined in the text.</td>
<td>3. Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks; analyze the specific results based on explanations in the text.</td>
</tr>
<tr>
<td><strong>Integration of Knowledge and Ideas</strong></td>
<td><strong>Range of Reading and Level of Text Complexity</strong></td>
<td></td>
</tr>
<tr>
<td>4. Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 6–8 texts and topics.</td>
<td>7. Integrate quantitative or technical information expressed in words in a text into visual form (e.g., a table or chart) and translate information expressed visually or mathematically (e.g., in an equation) into words.</td>
<td>7. Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem.</td>
</tr>
<tr>
<td>5. Analyze the structure an author uses to organize a text, including how the major sections contribute to the whole and to an understanding of the topic.</td>
<td>8. Assess the extent to which the reasoning and evidence in a text support the author’s claim or a recommendation for solving a scientific or technical problem.</td>
<td>8. Evaluate the hypotheses, data, analysis, and conclusions in a science or technical text, verifying the data when possible and corroborating or challenging conclusions with other sources of information.</td>
</tr>
<tr>
<td>6. Analyze the author’s purpose in providing an explanation, describing a procedure, or discussing an experiment in a text.</td>
<td>9. Compare and contrast the information gained from experiments, simulations, video, or multimedia sources with that gained from reading a text on the same topic.</td>
<td>9. Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.</td>
</tr>
<tr>
<td><strong>Range of Reading and Level of Text Complexity</strong></td>
<td><strong>Range of Reading and Level of Text Complexity</strong></td>
<td><strong>Range of Reading and Level of Text Complexity</strong></td>
</tr>
<tr>
<td>10. By the end of grade 8, read and comprehend science/technical texts in the grades 6–8 text complexity band independently and proficiently.</td>
<td>10. By the end of grade 10, read and comprehend science/technical texts in the grades 9–10 text complexity band independently and proficiently.</td>
<td>10. By the end of grade 12, read and comprehend science/technical texts in the grades 11–CCR text complexity band independently and proficiently.</td>
</tr>
</tbody>
</table>
College and Career Readiness Anchor Standards for Writing

The grades 6–12 standards on the following pages define what students should understand and be able to do by the end of each grade span. They correspond to the College and Career Readiness (CCR) anchor standards below by number. The CCR and grade-specific standards are necessary complements—the former providing broad standards, the latter providing additional specificity—that together define the skills and understandings that all students must demonstrate.

Text Types and Purposes*

1. Write arguments to support claims in an analysis of substantive topics or texts using valid reasoning and relevant and sufficient evidence.
2. Write informative/explanatory texts to examine and convey complex ideas and information clearly and accurately through the effective selection, organization, and analysis of content.
3. Write narratives to develop real or imagined experiences or events using effective technique, well-chosen details and well-structured event sequences.

Production and Distribution of Writing

4. Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.
5. Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach.
6. Use technology, including the Internet, to produce and publish writing and to interact and collaborate with others.

Research to Build and Present Knowledge

7. Conduct short as well as more sustained research projects based on focused questions, demonstrating understanding of the subject under investigation.
8. Gather relevant information from multiple print and digital sources, assess the credibility and accuracy of each source, and integrate the information while avoiding plagiarism.
9. Draw evidence from literary or informational texts to support analysis, reflection, and research.

Range of Writing

10. Write routinely over extended time frames (time for research, reflection, and revision) and shorter time frames (a single sitting or a day or two) for a range of tasks, purposes, and audiences.

*These broad types of writing include many subgenres.

Note on range and content of student writing

For students, writing is a key means of asserting and defending claims, showing what they know about a subject, and conveying what they have experienced, imagined, thought, and felt. To be college and career ready writers, students must take task, purpose, and audience into careful consideration, choosing words, information, structures, and formats deliberately. They need to be able to use technology strategically when creating, refining, and collaborating on writing. They have to become adept at gathering information, evaluating sources, and citing material accurately, reporting findings from their research and analysis of sources in a clear and cogent manner. They must have the flexibility, concentration, and fluency to produce high-quality first-draft text under a tight deadline and the capacity to revisit and make improvements to a piece of writing over multiple drafts when circumstances encourage or require it. To meet these goals, students must devote significant time and effort to writing, producing numerous pieces over short and long time frames throughout the year.
### Writing Standards for Literacy in All Subjects

The standards below begin at grade 6; standards for K–5 writing in history/social studies, science, and technical subjects are integrated into the K–5 Writing standards. The CCR anchor standards and high school standards in literacy work in tandem to define college and career readiness expectations—the former providing broad standards, the latter providing additional specificity.

<table>
<thead>
<tr>
<th>Grades 6–8 students:</th>
<th>Grades 9–10 students:</th>
<th>Grades 11–12 students:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Text Types and Purposes</strong></td>
<td><strong>Text Types and Purposes</strong></td>
<td><strong>Text Types and Purposes</strong></td>
</tr>
<tr>
<td>1. Write arguments focused on discipline-specific content.</td>
<td>1. Write arguments focused on discipline-specific content.</td>
<td>1. Write arguments focused on discipline-specific content.</td>
</tr>
<tr>
<td>a. Introduce claim(s) about a topic or issue, acknowledge and distinguish the claim(s) from alternate or opposing claims, and organize the reasons and evidence logically.</td>
<td>a. Introduce precise claim(s), distinguish the claim(s) from alternate or opposing claims, and create an organization that establishes clear relationships among the claim(s), counterclaims, reasons, and evidence.</td>
<td>a. Introduce precise, knowledgeable claim(s), establish the significance of the claim(s), distinguish the claim(s) from alternate or opposing claims, and create an organization that logically sequences the claim(s), counterclaims, reasons, and evidence.</td>
</tr>
<tr>
<td>b. Support claim(s) with logical reasoning and relevant, accurate data and evidence that demonstrate an understanding of the topic or text, using credible sources.</td>
<td>b. Develop claim(s) and counterclaims fairly, supplying data and evidence for each while pointing out the strengths and limitations of both claim(s) and counterclaims in a discipline-appropriate form and in a manner that anticipates the audience’s knowledge level and concerns.</td>
<td>b. Develop claim(s) and counterclaims fairly and thoroughly, supplying the most relevant data and evidence for each while pointing out the strengths and limitations of both claim(s) and counterclaims in a discipline-appropriate form that anticipates the audience’s knowledge level, concerns, values, and possible biases.</td>
</tr>
<tr>
<td>c. Use words, phrases, and clauses to create cohesion and clarify the relationships among claim(s), counterclaims, reasons, and evidence.</td>
<td>c. Use words, phrases, and clauses to link the major sections of the text, create cohesion, and clarify the relationships between claim(s) and reasons, between reasons and evidence, and between claim(s) and counterclaims.</td>
<td>c. Use words, phrases, and clauses as well as varied syntax to link the major sections of the text, create cohesion, and clarify the relationships between claim(s) and reasons, between reasons and evidence, and between claim(s) and counterclaims.</td>
</tr>
<tr>
<td>d. Establish and maintain a formal style.</td>
<td>d. Establish and maintain a formal style and objective tone while attending to the norms and conventions of the discipline in which they are writing.</td>
<td>d. Establish and maintain a formal style and objective tone while attending to the norms and conventions of the discipline in which they are writing.</td>
</tr>
<tr>
<td>e. Provide a concluding statement or section that follows from and supports the argument presented.</td>
<td>e. Provide a concluding statement or section that follows from or supports the argument presented.</td>
<td>e. Provide a concluding statement or section that follows from or supports the argument presented.</td>
</tr>
</tbody>
</table>
Writing Standards for Literacy in All Subjects

<table>
<thead>
<tr>
<th>Grades 6–8 students:</th>
<th>Grades 9–10 students:</th>
<th>Grades 11–12 students:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Text Types and Purposes (continued)</strong></td>
<td><strong>Text Types and Purposes (continued)</strong></td>
<td><strong>Text Types and Purposes (continued)</strong></td>
</tr>
<tr>
<td>2. Write informative/explanatory texts, including the narration of historical events, scientific procedures/ experiments, or technical processes.</td>
<td>2. Write informative/explanatory texts, including the narration of historical events, scientific procedures/ experiments, or technical processes.</td>
<td>2. Write informative/explanatory texts, including the narration of historical events, scientific procedures/ experiments, or technical processes.</td>
</tr>
<tr>
<td>a. Introduce a topic clearly, previewing what is to follow; organize ideas, concepts, and information into broader categories as appropriate to achieving purpose; include formatting (e.g., headings), graphics (e.g., charts, tables), and multimedia when useful to aiding comprehension.</td>
<td>a. Introduce a topic and organize ideas, concepts, and information to make important connections and distinctions; include formatting (e.g., headings), graphics (e.g., figures, tables), and multimedia when useful to aiding comprehension.</td>
<td>a. Introduce a topic and organize complex ideas, concepts, and information so that each new element builds on that which precedes it to create a unified whole; include formatting (e.g., headings), graphics (e.g., figures, tables), and multimedia when useful to aiding comprehension.</td>
</tr>
<tr>
<td>b. Develop the topic with relevant, well-chosen facts, definitions, concrete details, quotations, or other information and examples.</td>
<td>b. Develop the topic with well-chosen, relevant, and sufficient facts, extended definitions, concrete details, quotations, or other information and examples appropriate to the audience's knowledge of the topic.</td>
<td>b. Develop the topic thoroughly by selecting the most significant and relevant facts, extended definitions, concrete details, quotations, or other information and examples appropriate to the audience's knowledge of the topic.</td>
</tr>
<tr>
<td>c. Use appropriate and varied transitions to create cohesion and clarify the relationships among ideas and concepts.</td>
<td>c. Use varied transitions and sentence structures to link the major sections of the text, create cohesion, and clarify the relationships among ideas and concepts.</td>
<td>c. Use varied transitions and sentence structures to link the major sections of the text, create cohesion, and clarify the relationships among complex ideas and concepts.</td>
</tr>
<tr>
<td>d. Use precise language and domain-specific vocabulary to inform about or explain the topic.</td>
<td>d. Use precise language and domain-specific vocabulary to manage the complexity of the topic and convey a style appropriate to the discipline and context as well as to the expertise of likely readers.</td>
<td>d. Use precise language, domain-specific vocabulary and techniques such as metaphor, simile, and analogy to manage the complexity of the topic; convey a knowledgeable stance in a style that responds to the discipline and context as well as to the expertise of likely readers.</td>
</tr>
<tr>
<td>e. Establish and maintain a formal style and objective tone.</td>
<td>e. Establish and maintain a formal style and objective tone while attending to the norms and conventions of the discipline in which they are writing.</td>
<td>e. Provide a concluding statement or section that follows from and supports the information or explanation presented.</td>
</tr>
<tr>
<td>f. Provide a concluding statement or section that follows from and supports the information or explanation presented.</td>
<td>f. Provide a concluding statement or section that follows from and supports the information or explanation presented (e.g., articulating implications or the significance of the topic).</td>
<td>f. Provide a concluding statement or section that follows from and supports the information or explanation provided (e.g., articulating implications or the significance of the topic).</td>
</tr>
</tbody>
</table>

**Note:** Students' narrative skills continue to grow in these grades. The Standards require that students be able to incorporate narrative elements effectively into arguments and informative/explanatory texts. In history/social studies, students must be able to incorporate narrative accounts into their analyses of individuals or events of historical import. In science and technical subjects, students must be able to write precise enough descriptions of the step-by-step procedures they use in their investigations or technical work that others can replicate them and (possibly) reach the same results.
### Writing Standards for Literacy in All Subjects

<table>
<thead>
<tr>
<th>Production and Distribution of Writing</th>
<th>Research to Build and Present Knowledge</th>
<th>Range of Writing</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Grades 6–8 students:</strong></td>
<td><strong>Grades 9–10 students:</strong></td>
<td><strong>Grades 11–12 students:</strong></td>
</tr>
<tr>
<td><strong>4.</strong> Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.</td>
<td><strong>4.</strong> With some guidance and support from peers and adults, develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on how well purpose and audience have been addressed.</td>
<td><strong>4.</strong> Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on addressing what is most significant for a specific purpose and audience.</td>
</tr>
<tr>
<td><strong>5.</strong> Use technology, including the Internet, to produce, publish, and update individual or shared writing products, taking advantage of technology’s capacity to link to other information and to display information flexibly and dynamically.</td>
<td><strong>5.</strong> Use technology, including the Internet, to produce, publish, and update individual or shared writing products in response to ongoing feedback, including new arguments or information.</td>
<td><strong>5.</strong> Use technology, including the Internet, to produce, publish, and update individual or shared writing products in response to ongoing feedback, including new arguments or information.</td>
</tr>
<tr>
<td><strong>6.</strong> Conduct short research projects to answer a question (including a self-generated question), drawing on several sources and generating additional related, focused questions that allow for multiple avenues of exploration.</td>
<td><strong>6.</strong> Conduct short as well as more sustained research projects to answer a question (including a self-generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.</td>
<td><strong>6.</strong> Conduct short as well as more sustained research projects to answer a question (including a self-generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.</td>
</tr>
<tr>
<td><strong>7.</strong> Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the usefulness of each source in answering the research question; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and following a standard format for citation.</td>
<td><strong>7.</strong> Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation.</td>
<td><strong>7.</strong> Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation.</td>
</tr>
<tr>
<td><strong>8.</strong> Draw evidence from informational texts to support analysis, reflection, and research.</td>
<td><strong>8.</strong> Draw evidence from informational texts to support analysis, reflection, and research.</td>
<td><strong>8.</strong> Draw evidence from informational texts to support analysis, reflection, and research.</td>
</tr>
<tr>
<td><strong>9.</strong> Write routinely over extended time frames (time for reflection and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes, and audiences.</td>
<td><strong>10.</strong> Write routinely over extended time frames (time for reflection and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes, and audiences.</td>
<td><strong>10.</strong> Write routinely over extended time frames (time for reflection and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes, and audiences.</td>
</tr>
</tbody>
</table>
College and Career Readiness Anchor Standards for Speaking and Listening

The grades 6–12 standards on the following pages define what students should understand and be able to do by the end of each grade. They correspond to the College and Career Readiness (CCR) anchor standards below by number. The CCR and grade-specific standards are necessary complements—the former providing broad standards, the latter providing additional specificity—that together define the skills and understandings that all students must demonstrate.

Comprehension and Collaboration

1. Prepare for and participate effectively in a range of conversations and collaborations with diverse partners, building on others’ ideas and expressing their own clearly and persuasively.
2. Integrate and evaluate information presented in diverse media and formats, including visually, quantitatively, and orally.
3. Evaluate a speaker’s point of view, reasoning, and use of evidence and rhetoric.

Presentation of Knowledge and Ideas

4. Present information, findings, and supporting evidence such that listeners can follow the line of reasoning and the organization, development, and style are appropriate to task, purpose, and audience.
5. Make strategic use of digital media and visual displays of data to express information and enhance understanding of presentations.
6. Adapt speech to a variety of contexts and communicative tasks, demonstrating command of formal English when indicated or appropriate.

Note on range and content of student speaking and listening

To become college and career ready, students must have ample opportunities to take part in a variety of rich, structured conversations—as part of a whole class, in small groups, and with a partner—built around important content in various domains. They must be able to contribute appropriately to these conversations, to make comparisons and contrasts, and to analyze and synthesize a multitude of ideas in accordance with the standards of evidence appropriate to a particular discipline. Whatever their intended major or profession, high school graduates will depend heavily on their ability to listen attentively to others so that they are able to build on others’ meritorious ideas while expressing their own clearly and persuasively.

New technologies have broadened and expanded the role that speaking and listening play in acquiring and sharing knowledge and have tightened their link to other forms of communication. The Internet has accelerated the speed at which connections between speaking, listening, reading, and writing can be made, requiring that students be ready to use these modalities nearly simultaneously. Technology itself is changing quickly, creating a new urgency for students to be adaptable in response to change.
### Speaking and Listening Standards for Literacy in All Subjects

The following standards for grades 6–12 offer a focus for instruction in each year to help ensure that students gain adequate mastery of a range of skills and applications. **Students advancing through the grades are expected to meet each year’s grade-specific standards and retain or further develop skills and understandings mastered in preceding grades.**

#### Comprehension and Collaboration

<table>
<thead>
<tr>
<th>Grade 6 students:</th>
<th>Grade 7 students:</th>
<th>Grade 8 students:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 6 topics, texts, and issues; building on others’ ideas and expressing their own clearly.</td>
<td>1. Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 7 topics, texts, and issues; building on others’ ideas and expressing their own clearly.</td>
<td>1. Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 8 topics, texts, and issues; building on others’ ideas and expressing their own clearly.</td>
</tr>
<tr>
<td>a. Come to discussions prepared, having read or studied required material; explicitly draw on that preparation by referring to evidence on the topic, text, or issue to probe and reflect on ideas under discussion.</td>
<td>a. Come to discussions prepared, having read or researched material under study; explicitly draw on that preparation by referring to evidence on the topic, text, or issue to probe and reflect on ideas under discussion.</td>
<td>a. Come to discussions prepared, having read or researched material under study; explicitly draw on that preparation by referring to evidence on the topic, text, or issue to probe and reflect on ideas under discussion.</td>
</tr>
<tr>
<td>b. Follow rules for collegial discussions, set specific goals and deadlines, and define individual roles as needed.</td>
<td>b. Follow rules for collegial discussions, track progress toward specific goals and deadlines, and define individual roles as needed.</td>
<td>b. Follow rules for collegial discussions and decision-making, track progress toward specific goals and deadlines, and define individual roles as needed.</td>
</tr>
<tr>
<td>c. Pose and respond to specific questions with elaboration and detail by making comments that contribute to the topic, text, or issue under discussion.</td>
<td>c. Pose questions that elicit elaboration and respond to others’ questions and comments with relevant observations and ideas that bring the discussion back on topic as needed.</td>
<td>c. Pose questions that connect the ideas of several speakers and respond to others’ questions and comments with relevant evidence, observations, and ideas.</td>
</tr>
<tr>
<td>d. Review the key ideas expressed and demonstrate understanding of multiple perspectives through reflection and paraphrasing.</td>
<td>d. Acknowledge new information expressed by others and, when warranted, modify their own views.</td>
<td>d. Acknowledge new information expressed by others and, when warranted, qualify or justify their own views in light of the evidence presented.</td>
</tr>
</tbody>
</table>

#### Presentation of Knowledge and Ideas

<table>
<thead>
<tr>
<th>Grade 6 students:</th>
<th>Grade 7 students:</th>
<th>Grade 8 students:</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Interpret information presented in diverse media and formats (e.g., visually, quantitatively, orally) and explain how it contributes to a topic, text, or issue under study.</td>
<td>2. Analyze the main ideas and supporting details presented in diverse media and formats (e.g., visually, quantitatively, orally) and explain how the ideas clarify a topic, text, or issue under study.</td>
<td>2. Analyze the purpose of information presented in diverse media and formats (e.g., visually, quantitatively, orally) and evaluate the motives (e.g., social, commercial, political) behind its presentation.</td>
</tr>
<tr>
<td>3. Delineate a speaker’s argument and specific claims, distinguishing claims that are supported by reasons and evidence from claims that are not.</td>
<td>3. Delineate a speaker’s argument and specific claims, evaluating the soundness of the reasoning and the relevance and sufficiency of the evidence.</td>
<td>3. Delineate a speaker’s argument and specific claims, evaluating the soundness of the reasoning and relevance and sufficiency of the evidence and identifying when irrelevant evidence is introduced.</td>
</tr>
<tr>
<td>4. Present claims and findings, sequencing ideas logically and using pertinent descriptions, facts, and details to accentuate main ideas or themes; use appropriate eye contact, adequate volume, and clear pronunciation.</td>
<td>4. Present claims and findings, emphasizing salient points in a focused, coherent manner with pertinent descriptions, facts, details, and examples; use appropriate eye contact, adequate volume, and clear pronunciation.</td>
<td>4. Present claims and findings, emphasizing salient points in a focused, coherent manner with relevant evidence, sound valid reasoning, and well-chosen details; use appropriate eye contact, adequate volume, and clear pronunciation.</td>
</tr>
<tr>
<td>5. Include multimedia components (e.g., graphics, images, music, sound) and visual displays in presentations to clarify information.</td>
<td>5. Include multimedia components and visual displays in presentations to clarify claims and findings and emphasize salient points.</td>
<td>5. Integrate multimedia and visual displays into presentations to clarify information, strengthen claims and evidence, and add interest.</td>
</tr>
<tr>
<td>6. Adapt speech to a variety of contexts and tasks, demonstrating command of formal English when indicated or appropriate.</td>
<td>6. Adapt speech to a variety of contexts and tasks, demonstrating command of formal English when indicated or appropriate.</td>
<td>6. Adapt speech to a variety of contexts and tasks, demonstrating command of formal English when indicated or appropriate.</td>
</tr>
</tbody>
</table>
### Speaking and Listening Standards for Literacy in All Subjects

The CCR anchor standards and high school grade-specific standards work in tandem to define college and career readiness expectations—the former providing broad standards, the latter providing additional specificity.

<table>
<thead>
<tr>
<th>Grades 9-10 students:</th>
<th>Grades 11-12 students:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Comprehension and Collaboration</strong></td>
<td><strong>Comprehension and Collaboration</strong></td>
</tr>
<tr>
<td>1. Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grades 9–10 topics, texts, and issues, building on others’ ideas and expressing their own clearly and persuasively.</td>
<td>1. Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grades 11–12 topics, texts, and issues, building on others’ ideas and expressing their own clearly and persuasively.</td>
</tr>
<tr>
<td>a. Come to discussions prepared, having read and researched material under study; explicitly draw on that preparation by referring to evidence from texts and other research on the topic or issue to stimulate a thoughtful, well-reasoned exchange of ideas.</td>
<td>a. Come to discussions prepared, having read and researched material under study; explicitly draw on that preparation by referring to evidence from texts and other research on the topic or issue to stimulate a thoughtful, well-reasoned exchange of ideas.</td>
</tr>
<tr>
<td>b. Work with peers to set rules for collegial discussions and decision-making (e.g., informal consensus, taking votes on key issues, presentation of alternate views), clear goals and deadlines, and individual roles as needed.</td>
<td>b. Work with peers to promote civil, democratic discussions and decision-making, set clear goals and deadlines, and establish individual roles as needed.</td>
</tr>
<tr>
<td>c. Propel conversations by posing and responding to questions that relate the current discussion to broader themes or larger ideas; actively incorporate others into the discussion; and clarify, verify, or challenge ideas and conclusions.</td>
<td>c. Propel conversations by posing and responding to questions that probe reasoning and evidence; ensure a hearing for a full range of positions on a topic or issue; clarify, verify, or challenge ideas and conclusions; and promote divergent and creative perspectives.</td>
</tr>
<tr>
<td>d. Respond thoughtfully to diverse perspectives, summarize points of agreement and disagreement, and, when warranted, qualify or justify their own views and understanding and make new connections in light of the evidence and reasoning presented.</td>
<td>d. Respond thoughtfully to diverse perspectives; synthesize comments, claims, and evidence made on all sides of an issue; resolve contradictions when possible; and determine what additional information or research is required to deepen the investigation or complete the task.</td>
</tr>
<tr>
<td>2. Integrate multiple sources of information presented in diverse media or formats (e.g., visually, quantitatively, orally) evaluating the credibility and accuracy of each source.</td>
<td>2. Integrate multiple sources of information presented in diverse formats and media (e.g., visually, quantitatively, orally) in order to make informed decisions and solve problems, evaluating the credibility and accuracy of each source and noting any discrepancies among the data.</td>
</tr>
<tr>
<td>3. Evaluate a speaker’s point of view, reasoning, and use of evidence and rhetoric, identifying any fallacious reasoning or exaggerated or distorted evidence.</td>
<td>3. Evaluate a speaker’s point of view, reasoning, and use of evidence and rhetoric, assessing the stance, premises, links among ideas, word choice, points of emphasis, and tone used.</td>
</tr>
<tr>
<td><strong>Presentation of Knowledge and Ideas</strong></td>
<td><strong>Presentation of Knowledge and Ideas</strong></td>
</tr>
<tr>
<td>4. Present information, findings, and supporting evidence clearly, concisely, and logically such that listeners can follow the line of reasoning and the organization, development, substance, and style are appropriate to purpose, audience, and task.</td>
<td>4. Present information, findings, and supporting evidence, conveying a clear and distinct perspective, such that listeners can follow the line of reasoning, alternative or opposing perspectives are addressed, and the organization, development, substance, and style are appropriate to purpose, audience, and a range of formal and informal tasks.</td>
</tr>
<tr>
<td>5. Make strategic use of digital media (e.g., textual, graphical, audio, visual, and interactive elements) in presentations to enhance understanding of findings, reasoning, and evidence and to add interest.</td>
<td>5. Make strategic use of digital media (e.g., textual, graphical, audio, visual, and interactive elements) in presentations to enhance understanding of findings, reasoning, and evidence and to add interest.</td>
</tr>
<tr>
<td>6. Adapt speech to a variety of contexts and tasks, demonstrating command of formal English when indicated or appropriate.</td>
<td>6. Adapt speech to a variety of contexts and tasks, demonstrating a command of formal English when indicated or appropriate.</td>
</tr>
</tbody>
</table>
College and Career Readiness Anchor Standards for Language

The grades 6-12 standards on the following pages define what students should understand and be able to do by the end of each grade. They correspond to the College and Career Readiness (CCR) anchor standards below by number. The CCR and grade-specific standards are necessary complements—the former providing broad standards, the latter providing additional specificity—that together define the skills and understandings that all students must demonstrate.

Conventions of Standard English
1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.
2. Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.

Knowledge of Language
3. Apply knowledge of language to understand how language functions in different contexts, to make effective choices for meaning or style, and to comprehend more fully when reading or listening.

Vocabulary Acquisition and Use
4. Determine or clarify the meaning of unknown and multiple-meaning words and phrases by using context clues, analyzing meaningful word parts, and consulting general and specialized reference materials, as appropriate.
5. Demonstrate understanding of figurative language, word relationships, and nuances in word meanings.
6. Acquire and use accurately a range of general academic and domain-specific words and phrases sufficient for reading, writing, speaking, and listening at the college and career readiness level; demonstrate independence in gathering vocabulary knowledge when considering a word or phrase important to comprehension or expression.

Note on range and content of student language use

To be college and career ready in language, students must have firm control over the conventions of standard English. At the same time, they must come to appreciate that language is as at least as much a matter of craft as of rules and be able to choose words, syntax, and punctuation to express themselves and achieve particular functions and rhetorical effects. They must also have extensive vocabularies, built through reading and study, enabling them to comprehend complex texts and engage in purposeful writing about and conversations around content. They need to become skilled in determining or clarifying the meaning of words and phrases they encounter, choosing flexibly from an array of strategies to aid them. They must learn to see an individual word as part of a network of other words—words, for example, that have similar denotations but different connotations. The inclusion of Language standards in their own strand should not be taken as an indication that skills related to conventions, effective language use, and vocabulary are unimportant to reading, writing, speaking, and listening; indeed, they are inseparable from such contexts.
Language Standards for Literacy in All Subjects

The following standards for grades 6-12 offer a focus for instruction each year to help ensure that students gain adequate mastery of a range of skills and applications. Students advancing through the grades are expected to meet each year’s grade-specific standards and retain or further develop skills and understandings mastered in preceding grades. Beginning in grade 3, skills and understandings that are particularly likely to require continued attention in higher grades as they are applied to increasingly sophisticated writing and speaking are marked with an asterisk (*).

<table>
<thead>
<tr>
<th>Grade 6 students:</th>
<th>Grade 7 students:</th>
<th>Grade 8 students:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Conventions of Standard English</strong></td>
<td><strong>Conventions of Standard English</strong></td>
<td><strong>Conventions of Standard English</strong></td>
</tr>
<tr>
<td>1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.</td>
<td>1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.</td>
<td>1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.</td>
</tr>
<tr>
<td>a. Ensure that pronouns are in the proper case (subjective, objective, possessive).</td>
<td>a. Ensure that pronouns are in the proper case (subjective, objective, possessive).</td>
<td>a. Ensure that pronouns are in the proper case (subjective, objective, possessive).</td>
</tr>
<tr>
<td>b. Use intensive pronouns (e.g., <em>myself</em>, <em>ourselves</em>).</td>
<td>b. Use intensive pronouns (e.g., <em>myself</em>, <em>ourselves</em>).</td>
<td>b. Use intensive pronouns (e.g., <em>myself</em>, <em>ourselves</em>).</td>
</tr>
<tr>
<td>c. Recognize and correct vague pronouns (i.e., ones with unclear or ambiguous antecedents). *</td>
<td>c. Recognize and correct vague pronouns (i.e., ones with unclear or ambiguous antecedents). *</td>
<td>c. Recognize and correct vague pronouns (i.e., ones with unclear or ambiguous antecedents). *</td>
</tr>
<tr>
<td>d. Recognize variations from standard English in their own and others’ writing and speaking, and identify and use strategies to improve expression in conventional language. *</td>
<td>d. Recognize variations from standard English in their own and others’ writing and speaking, and identify and use strategies to improve expression in conventional language. *</td>
<td>d. Recognize variations from standard English in their own and others’ writing and speaking, and identify and use strategies to improve expression in conventional language. *</td>
</tr>
<tr>
<td>2. Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.</td>
<td>2. Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.</td>
<td>2. Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.</td>
</tr>
<tr>
<td>a. Use punctuation (commas, parentheses, dashes) to set off nonrestrictive/parenthetical elements. *</td>
<td>a. Use punctuation (commas, parentheses, dashes) to set off nonrestrictive/parenthetical elements. *</td>
<td>a. Use punctuation (commas, parentheses, dashes) to set off nonrestrictive/parenthetical elements. *</td>
</tr>
<tr>
<td><strong>Knowledge of Language</strong></td>
<td><strong>Knowledge of Language</strong></td>
<td><strong>Knowledge of Language</strong></td>
</tr>
<tr>
<td>3. Use knowledge of language and its conventions when writing, speaking, reading, or listening.</td>
<td>3. Use knowledge of language and its conventions when writing, speaking, reading, or listening.</td>
<td>3. Use knowledge of language and its conventions when writing, speaking, reading, or listening.</td>
</tr>
<tr>
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</tr>
<tr>
<td>a. Use verbs in the active and passive voice and in the conditional and subjunctive mood to achieve particular effects (e.g., emphasizing the actor or the action; expressing uncertainty or describing a state contrary to fact).</td>
<td>a. Use verbs in the active and passive voice and in the conditional and subjunctive mood to achieve particular effects (e.g., emphasizing the actor or the action; expressing uncertainty or describing a state contrary to fact).</td>
<td>a. Use verbs in the active and passive voice and in the conditional and subjunctive mood to achieve particular effects (e.g., emphasizing the actor or the action; expressing uncertainty or describing a state contrary to fact).</td>
</tr>
</tbody>
</table>
### Language Standards for Literacy in All Subjects

#### Vocabulary Acquisition and Use

<table>
<thead>
<tr>
<th>Grade 6 students:</th>
<th>Grade 7 students:</th>
<th>Grade 8 students:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Grade 6 students:</strong></td>
<td><strong>Grade 7 students:</strong></td>
<td><strong>Grade 8 students:</strong></td>
</tr>
<tr>
<td><strong>Vocabulary Acquisition and Use</strong></td>
<td><strong>Vocabulary Acquisition and Use</strong></td>
<td><strong>Vocabulary Acquisition and Use</strong></td>
</tr>
</tbody>
</table>
| 4. Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 6 reading and content, choosing flexibly from a range of strategies.  
   a. Use context (e.g., the overall meaning of a sentence or paragraph; a word’s position or function in a sentence) as a clue to the meaning of a word or phrase.  
   b. Use common, grade-appropriate Greek or Latin affixes and roots as clues to the meaning of a word (e.g., audience, auditory, audible).  
   c. Consult reference materials (e.g., dictionaries, glossaries, thesauruses), both print and digital, to find the pronunciation of a word or determine or clarify its precise meaning or its part of speech.  
   d. Verify the preliminary determination of the meaning of a word or phrase (e.g., by checking the inferred meaning in context or in a dictionary). | 4. Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 7 reading and content, choosing flexibly from a range of strategies.  
   a. Use context (e.g., the overall meaning of a sentence or paragraph; a word’s position or function in a sentence) as a clue to the meaning of a word or phrase.  
   b. Use common, grade-appropriate Greek or Latin affixes and roots as clues to the meaning of a word (e.g., belligerent, bellicose, rebel).  
   c. Consult general and specialized reference materials (e.g., dictionaries, glossaries, thesauruses), both print and digital, to find the pronunciation of a word or determine or clarify its precise meaning or its part of speech.  
   d. Verify the preliminary determination of the meaning of a word or phrase (e.g., by checking the inferred meaning in context or in a dictionary). | 4. Determine or clarify the meaning of unknown and multiple-meaning words or phrases based on grade 8 reading and content, choosing flexibly from a range of strategies.  
   a. Use context (e.g., the overall meaning of a sentence or paragraph; a word’s position or function in a sentence) as a clue to the meaning of a word or phrase.  
   b. Use common, grade-appropriate Greek or Latin affixes and roots as clues to the meaning of a word (e.g., precede, recede, secede).  
   c. Consult general and specialized reference materials (e.g., dictionaries, glossaries, thesauruses), both print and digital, to find the pronunciation of a word or determine or clarify its precise meaning or its part of speech.  
   d. Verify the preliminary determination of the meaning of a word or phrase (e.g., by checking the inferred meaning in context or in a dictionary). |
| 5. Demonstrate understanding of figurative language, word relationships, and nuances in word meanings.  
   a. Interpret figures of speech (e.g., personification) in context.  
   b. Use the relationship between particular words (e.g., cause/effect, part/whole, item/category) to better understand each of the words.  
   c. Distinguish among the connotations (associations) of words with similar denotations (definitions) (e.g., stingy, scrimping, economical, unwasteful, thrifty). | 5. Demonstrate understanding of figurative language, word relationships, and nuances in word meanings.  
   a. Interpret figures of speech (e.g., literary, biblical, and mythological allusions) in context.  
   b. Use the relationship between particular words (e.g., synonym/antonym, analogy) to better understand each of the words.  
   c. Distinguish among the connotations (associations) of words with similar denotations (definitions) (e.g., refined, respectful, polite, diplomatic, condescending). | 5. Demonstrate understanding of figurative language, word relationships, and nuances in word meanings.  
   a. Interpret figures of speech (e.g., verbal irony, puns) in context.  
   b. Use the relationship between particular words to better understand each of the words.  
   c. Distinguish among the connotations (associations) of words with similar denotations (definitions) (e.g., bullheaded, willful, firm, persistent, resolute). |
| 6. Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases; gather vocabulary knowledge when considering a word or phrase important to comprehension or expression. | 6. Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases; gather vocabulary knowledge when considering a word or phrase important to comprehension or expression. | 6. Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases; gather vocabulary knowledge when considering a word or phrase important to comprehension or expression. |
## Language Standards for Literacy in All Subjects

### Grades 9-10 students:

<table>
<thead>
<tr>
<th>Vocabulary Acquisition and Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>4. Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on <em>grades 9-10 reading and content</em>, choosing flexibly from a range of strategies.</td>
</tr>
<tr>
<td>a. Use context (e.g., the overall meaning of a sentence, paragraph, or text; a word’s position or function in a sentence) as a clue to the meaning of a word or phrase.</td>
</tr>
<tr>
<td>b. Identify and correctly use patterns of word changes that indicate different meanings or parts of speech (e.g., <em>analyze</em>, <em>analysis</em>, <em>analytical</em>; <em>advocate</em>, <em>advocacy</em>).</td>
</tr>
<tr>
<td>c. Consult general and specialized reference materials (e.g., dictionaries, glossaries, thesauruses), both print and digital, to find the pronunciation of a word or determine or clarify its precise meaning, its part of speech, or its etymology.</td>
</tr>
<tr>
<td>d. Verify the preliminary determination of the meaning of a word or phrase (e.g., by checking the inferred meaning in context or in a dictionary).</td>
</tr>
<tr>
<td>5. Demonstrate understanding of figurative language, word relationships, and nuances in word meanings.</td>
</tr>
<tr>
<td>a. Interpret figures of speech (e.g., euphemism, oxymoron) in context and analyze their role in the text.</td>
</tr>
<tr>
<td>b. Analyze nuances in the meaning of words with similar denotations.</td>
</tr>
<tr>
<td>6. Acquire and use accurately general academic and domain-specific words and phrases, sufficient for reading, writing, speaking, and listening at the college and career readiness level; demonstrate independence in gathering vocabulary knowledge when considering a word or phrase important to comprehension or expression.</td>
</tr>
</tbody>
</table>

### Grades 11-12 students:

<table>
<thead>
<tr>
<th>Vocabulary Acquisition and Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>4. Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on <em>grades 11-12 reading and content</em>, choosing flexibly from a range of strategies.</td>
</tr>
<tr>
<td>a. Use context (e.g., the overall meaning of a sentence, paragraph, or text; a word’s position or function in a sentence) as a clue to the meaning of a word or phrase.</td>
</tr>
<tr>
<td>b. Identify and correctly use patterns of word changes that indicate different meanings or parts of speech (e.g., <em>conceive</em>, <em>conception</em>, <em>conceivable</em>).</td>
</tr>
<tr>
<td>c. Consult general and specialized reference materials (e.g., dictionaries, glossaries, thesauruses), both print and digital, to find the pronunciation of a word or determine or clarify its precise meaning, its part of speech, its etymology, or its standard usage.</td>
</tr>
<tr>
<td>d. Verify the preliminary determination of the meaning of a word or phrase (e.g., by checking the inferred meaning in context or in a dictionary).</td>
</tr>
<tr>
<td>5. Demonstrate understanding of figurative language, word relationships, and nuances in word meanings.</td>
</tr>
<tr>
<td>a. Interpret figures of speech (e.g., hyperbole, paradox) in context and analyze their role in the text.</td>
</tr>
<tr>
<td>b. Analyze nuances in the meaning of words with similar denotations.</td>
</tr>
<tr>
<td>6. Acquire and use accurately general academic and domain-specific words and phrases, sufficient for reading, writing, speaking, and listening at the college and career readiness level; demonstrate independence in gathering vocabulary knowledge when considering a word or phrase important to comprehension or expression.</td>
</tr>
</tbody>
</table>
Language Progressive Skills, by Grade

The following skills, marked with an asterisk (*) in Language standards 1–3, are particularly likely to require continued attention in higher grades as they are applied to increasingly sophisticated writing and speaking.

<table>
<thead>
<tr>
<th>Standard</th>
<th>Grade(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>L.3.1f. Ensure subject-verb and pronoun-antecedent agreement.</td>
<td>3, 4, 5, 6</td>
</tr>
<tr>
<td>L.3.3a. Choose words and phrases for effect.</td>
<td>4, 5, 6, 7</td>
</tr>
<tr>
<td>L.4.1f. Produce complete sentences, recognizing and correcting inappropriate fragments and run-ons.</td>
<td>7, 8, 9-10</td>
</tr>
<tr>
<td>L.4.1g. Correctly use frequently confused words (e.g., to/too/two; there/their).</td>
<td>9-10, 11-12</td>
</tr>
<tr>
<td>L.4.3a. Choose words and phrases to convey ideas precisely.*</td>
<td>9-10, 11-12</td>
</tr>
<tr>
<td>L.4.3b. Choose punctuation for effect.</td>
<td>9-10, 11-12</td>
</tr>
<tr>
<td>L.5.1d. Recognize and correct inappropriate shifts in verb tense.</td>
<td>9-10, 11-12</td>
</tr>
<tr>
<td>L.5.2a. Use punctuation to separate items in a series.*</td>
<td>9-10, 11-12</td>
</tr>
<tr>
<td>L.6.1c. Recognize and correct inappropriate shifts in pronoun number and person.</td>
<td>9-10, 11-12</td>
</tr>
<tr>
<td>L.6.1d. Recognize and correct vague pronouns (i.e., ones with unclear or ambiguous antecedents).</td>
<td>9-10, 11-12</td>
</tr>
<tr>
<td>L.6.1e. Recognize variations from standard English in their own and others’ writing and speaking, and identify and use strategies to improve expression in conventional language.</td>
<td>9-10, 11-12</td>
</tr>
<tr>
<td>L.6.2a. Use punctuation (commas, parentheses, dashes) to set off nonrestrictive/parenthetical elements.</td>
<td>9-10, 11-12</td>
</tr>
<tr>
<td>L.6.3a. Vary sentence patterns for meaning, reader/listener interest, and style.‖</td>
<td>9-10, 11-12</td>
</tr>
<tr>
<td>L.6.3b. Maintain consistency in style and tone.</td>
<td>9-10, 11-12</td>
</tr>
<tr>
<td>L.7.1c. Place phrases and clauses within a sentence, recognizing and correcting misplaced and dangling modifiers.</td>
<td>9-10, 11-12</td>
</tr>
<tr>
<td>L.7.3a. Choose language that expresses ideas precisely and concisely, recognizing and eliminating wordiness and redundancy.</td>
<td>9-10, 11-12</td>
</tr>
<tr>
<td>L.8.1d. Recognize and correct inappropriate shifts in verb voice and mood.</td>
<td>9-10, 11-12</td>
</tr>
<tr>
<td>L.9-10.1a. Use parallel structure.</td>
<td>9-10, 11-12</td>
</tr>
</tbody>
</table>

* Subsumed by L.7.3a
† Subsumed by L.9-10.1a
‡ Subsumed by L.11-12.3a
STANDARDS FOR

Literacy in All Subjects

Appendix A
Research Supporting Key Elements of the Standards
Glossary of Key Terms
One of the key requirements of the Common Core State Standards for Reading is that all students must be able to comprehend texts of steadily increasing complexity as they progress through school. By the time they complete the core, students must be able to read and comprehend independently and proficiently the kinds of complex texts commonly found in college and careers. The first part of this section makes a research-based case for why the complexity of what students read matters. In brief, while reading demands in college, workforce training programs, and life in general have held steady or increased over the last half century, K–12 texts have actually declined in sophistication, and relatively little attention has been paid to students’ ability to read complex texts independently. These conditions ... face after graduation. The second part of this section addresses how text complexity can be measured and made a regular part of instruction. It introduces a three-part model that blends qualitative and quantitative measures of text complexity with reader and task considerations. The section concludes with three annotated examples showing how the model can be used to assess the complexity of various kinds of texts appropriate for different grade levels.
COMMON CORE STATE STANDARDS for LITERACY in ALL SUBJECTS

The Consequences: Too Many Students Reading at Too Low a Level

The impact that low reading achievement has on students' readiness for college, careers, and life in general is profound. Engaging in a host of high-stakes reading tasks—reading to learn various kinds of texts and for various purposes, answering questions about what they read, writing to interpret information, and preparing for standardized tests (Feldman & Stock, 2004) reports that although needing to take one or more remedial/developmental courses of any sort lowers a student's chance of eventually earning a degree or certificate, "the need for remedial reading appears to be the most important factor in determining the likelihood of a student's entering college or becoming employed" (p. 32). Only 34% of the 1992 seniors who took no postsecondary remedial courses went on to receive a degree or certificate, compared to 69% of the 1992 seniors who took no remedial reading course and 57% of those who took one remedial course in a subject other than reading or mathematics. Considering that 11% of U.S. adults reading literature dropped from 54.0 in 1992 to 46.7 in 2002, while the percent of U.S. adults reading any book dropped from 42% in 1992 to 39% in 2004, the most recent year for which data are available (National Center for Education Statistics, 2005), the societal impact of low reading achievement is as profound as its impact on the aspirations of individual students.

Reading levels among the adult population are also disturbingly low. The 2003 National Assessment of Adult Literacy (Kutner, Greenberg, Jin, Boyle, Hsu, & Dunleavy, 2007) reported that 14 percent of adults read prose texts at "below basic" (grade 5). Although the number of adults who read any book also declined by 7 percent (from 54.0% in 1992 to 47.0% in 2004), it should be noted that the decline was greater among older adults and those with less education than among young adults and those with more education. The percentage of adults reading nonfiction books for pleasure (which includes both literature and news) dropped from 54.0% in 1992 to 46.7% in 2002, while the percent of adults reading news (which includes both newspapers and news magazines) dropped from 47.9% in 1992 to 42.3% in 2002. This decline is consistent with findings that the percentage of U.S. adults who read newspapers regularly dropped from 54.0% in 1992 to 46.7% in 2002, while the percent of U.S. adults reading magazines dropped from 47.9% in 1992 to 42.3% in 2002.

There is also evidence that current standards, curriculum, and instructional practice have not done enough to foster the independent reading of complex texts so crucial for college and career readiness, particularly in the case of high-stakes testing (Manganello, 2002). Students today are asked to read very little expository text—as little as 7 and 15 percent of elementary and middle school instructional reading (Hieber, Paris, & Pearson, 2008; Kintsch, 1998, 2009; McNamara, Graesser, & Louwerse, in press; Perfetti, Landi, & Oakhill, 2005; van den Broek, Lorch, Linderholm, & Gustafson, 2001; van den Broek, Risden, & Husebye-Hartmann, 1995), and that expository text makes up the vast majority of the required reading in college and the workplace (Achieve, Inc., 2007). Students are expected to read and comprehend text that is already less complex overall than that typically required of students prior to 1962. For example, many seventh-grade texts are written at the reading level of mid-sixth graders (Hieber, Paris, & Pearson, 2008; Pinnell & Fountas, 2007). Moreover, students are asked to read and demonstrate understanding of complex texts that are often presented in a linear, predictable, and fragmented manner, with an emphasis on answering questions about what they read, rather than on developing an understanding of the text as a whole. This approach is likely to result in a lack of reading of complex texts independently, and to enroll in postsecondary education between 1992 and 2000 and then took any remedial reading course went on to receive a degree or certificate, compared to 69 percent of the 1992 seniors who took no postsecondary remedial courses and 57 percent of those who took one remedial course in a subject other than reading or mathematics. Considering that 11 percent of U.S. adults reading literature dropped from 54.0 in 1992 to 46.7 in 2002, while the percent of U.S. adults reading any book dropped from 42% in 1992 to 39% in 2004, the most recent year for which data are available (National Center for Education Statistics, 2005), the societal impact of low reading achievement is as profound as its impact on the aspirations of individual students.

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exhibit of the standards and the expected level of the standards are the first two factors to be evaluated when determining whether a text is appropriate for a given student. The additional factors include the complexity of the text (e.g., the level of vocabulary, sentence structure, and text cohesion), and the reader's ability to comprehend the text. The reader's ability to comprehend the text is determined by their reading ability (e.g., vocabulary, comprehension skills, and background knowledge). The text complexity also plays a role in determining the appropriateness of the text. For example, a text that is too complex for a given student may be overwhelming and lead to decreased performance. Similarly, a text that is too easy may not challenge the student and lead to a lack of engagement. Therefore, the standards provide a balanced approach to text complexity, emphasizing the need to consider both the text and the reader when determining the appropriateness of a text.
Qualitative Measures of Text Complexity

Texts of low complexity make a single, explicit, well-marked and conventional statement or purpose

Texts of medium (informational texts) complexity are written with a number of different purposes

Texts of high complexity are often written with a number of different purposes

Quantitative Measures of Text Complexity

The Standards presume that all three elements will come into play when text complexity and appropriateness are determined. The following pages begin with a brief overview of just some of the currently available tools, both qualitative and quantitative, for measuring text complexity, continue with some important considerations for using text complexity measures, balanced with reader and task considerations.
<table>
<thead>
<tr>
<th>Levels of Meaning (literary texts) or Purpose (informational texts)</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Single level of meaning</td>
</tr>
<tr>
<td>→ Multiple levels of meaning</td>
</tr>
<tr>
<td>• Explicitly stated purpose</td>
</tr>
<tr>
<td>→ Implicit purpose, may be hidden or obscure</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Structure</th>
</tr>
</thead>
</table>
| • Explicit:  
|   - Implicits                                                                 |
|   - Explicit levels of meaning                                    |
| → Complex:  
|   - Implicit  
|   - Implicit levels of meaning                                    |

<table>
<thead>
<tr>
<th>Knowledge Demands: Content/Discipline Knowledge (chiefly informational texts)</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Low intertextuality (few, if any, references/citations to other texts) → High intertextuality (many, references/citations to other texts)</td>
</tr>
<tr>
<td>• Every day knowledge and familiarity with genre conventions required</td>
</tr>
<tr>
<td>→ Extensive, drawing specifically discipline-specific knowledge</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Knowledge Demands: Cultural/Literary Knowledge (chiefly literary texts)</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Low intertextuality (few, if any, references/citations to other texts) → High intertextuality (many, references/citations to other texts)</td>
</tr>
<tr>
<td>• Familiar, general experience with cultural and literary knowledge</td>
</tr>
<tr>
<td>→ Distinctly unfamiliar, cultural and literary knowledge</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Knowledge Demands: The Experiences (chiefly literary texts)</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Low intertextuality (few, if any, references/citations to other texts) → High intertextuality (many, references/citations to other texts)</td>
</tr>
<tr>
<td>• Familiar, general experiences</td>
</tr>
<tr>
<td>→ Distinctly unfamiliar experiences</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Language Complexity and Clarity</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Simple graphics</td>
</tr>
<tr>
<td>→ Sophisticated graphics</td>
</tr>
</tbody>
</table>
| • Explicit:  
|   - Levels of meaning                                        |
|   - Explicit levels of meaning                                |
| → Implicit:  
|   - Implicit levels of meaning                                |
|   - Implicit levels of meaning                                |

Numerous formulas exist for measuring the readability of various types of texts. Such formulas, including the widely used Flesch-Kincaid Grade Level test, typically use word length and sentence length as proxies for semantic and syntactic complexity. The Flesch Formula, for example, is quite simple: it counts the number of syllables per word and the number of sentences per 100 words. Another widely used formula is the Dale-Chall Readability Formula, which counts the percentage of words not in a child’s vocabulary. These and similar formulas are designed to rate texts based on student readability; some use word frequency and sentence length as proxies for semantic and syntactic complexity. The Dale-Chall formula, for example, relies on word frequency and sentence length as measures of text difficulty. Like the Flesch Formula, the Dale-Chall formula may underestimate the difficulty of texts that use simple, familiar words and longer sentences. In fact, series of short, choppy sentences can pose problems for readers precisely because these sentences lack the cohesive devices, such as transition words and phrases, that help establish logical links among ideas and reduce the inference load on readers.

Numerous factors associated with the individual reader are relevant when determining whether a given text is appropriate for him or her. The RAND Reading Study Group identified many such factors in the 2002 report Reading for Understanding:

- The reader brings to the act of reading his or her cognitive capabilities (attention, memory, critical analytic ability, motivation, background knowledge, vocabulary and knowledge of language, self-efficacy as a reader); knowledge (vocabulary and topic knowledge, linguistic and discourse knowledge, knowledge of
- The Coh-Metrix system focuses on the cohesiveness of a text—basically, how well the text holds together. A high-cohesion level indicates good design, which allows for easy reading. Coh-Metrix staff have worked to isolate the most revealing, informative factors from among the many they consider. The Coh-Metrix report includes information on more than sixty indices related to text cohesion, so it can be daunting to the layperson or even to a professional educator unfamiliar with the indices. Some factors associated with text difficulty are the words frequency and sentence length (measured in words), word length, sentence length, and text length (measured in words) as its factors. Like the Coh-Metrix, the Leveled Text Complexity (LTC) model uses word frequency and sentence length as factors to rate texts based on student readability; some use word frequency and sentence length as proxies for semantic and syntactic complexity. The LTC model can take both readers and texts on the same scale. Certain reading assessments yield text scores based on student readability; some use word frequency and sentence length as proxies for semantic and syntactic complexity. The LTC model can take both readers and texts on the same scale. The LTC model uses word frequency and sentence length as factors to rate texts based on student readability; some use word frequency and sentence length as proxies for semantic and syntactic complexity. The LTC model can take both readers and texts on the same scale. The LTC model uses word frequency and sentence length as factors to rate texts based on student readability; some use word frequency and sentence length as proxies for semantic and syntactic complexity. The LTC model can take both readers and texts on the same scale.
Reading at the college and career readiness level by the end of high school is a major focus of the standards. The Common Core State Standards for Literacy in All Subjects is a comprehensive set of guidelines for reading instruction that spans all subjects. It focuses on three key areas: comprehension, critical thinking, and multiple text types.

### Comprehension Strategies

As part of describing the activity of reading, the RAND group also named important task-related variables, including:

- The reader’s purpose (which might shift over the course of reading)
- The type of reading being done, such as skimming (getting the gist of the text) or studying (reading the text with the intent of retaining the information for later use)
- The intended outcome, which could include an increase in knowledge, a solution to some real-world problem, or engagement with the text

### Key Considerations in Implementing Text Complexity

#### Texts and Measurement Tools

The tools for measuring text complexity are at once useful and imperfect. Each of the qualitative and quantitative tools described above has its limitations, and none is completely accurate. The development of new and improved text complexity tools should be a priority. In the meantime, the Standards recommend that multiple quantitative measures be used whenever possible and that their results be confirmed or overruled by a qualitative analysis of the text in question.

#### Text Complexity Grade Bands and Associated Lexile Ranges (in Lexiles)

<table>
<thead>
<tr>
<th>Text Complexity Grade Band</th>
<th>Associated Lexile Ranges</th>
</tr>
</thead>
<tbody>
<tr>
<td>K–1</td>
<td>N/A</td>
</tr>
<tr>
<td>2–3</td>
<td>450–725</td>
</tr>
<tr>
<td>4–5</td>
<td>640–845</td>
</tr>
<tr>
<td>6–8</td>
<td>770–980</td>
</tr>
<tr>
<td>9–11</td>
<td>1070–1220</td>
</tr>
</tbody>
</table>

### Measures of Text Complexity

Measures of text complexity must be aligned with college and career readiness expectations for all students. Qualitative measures of text complexity should be aligned with college and career readiness expectations for all students.
Readers and Tasks

Students reading well above and well below grade-band levels need additional support. Students for whom texts within their text complexity grade band (or even from the next higher band) present insufficient challenge must be given the attention and resources necessary to develop their reading ability in an appropriately advanced pace. On the other hand, students reading well above and well below grade-band levels of text complexity need additional support. Even many students on course for college and career readiness may still need support as they work to comprehend texts at the high end of the range of difficulty appropriate to the band. For example, many students just entering grade 2 will need some support as they read texts that are advanced for their grade band. They are likely to need extra encouragement as they master higher levels of text complexity. As they enter each new grade band, many students are likely to need at least some extra encouragement as they work to master new reading challenges, both of which the Standards allow for.

Even the end of grade 2.

The general movement during a given school year is toward texts of higher levels of complexity. The goal of students reading well above and well below grade-band levels of text complexity must be given the support needed to enable them to read at a grade-appropriate level of complexity.

Students reading well above and well below grade-band levels need additional support. Students for whom texts within their text complexity grade band (or even from the next higher band) present insufficient challenge must be given the attention and resources necessary to develop their reading ability in an appropriately advanced pace. On the other hand, students reading well above and well below grade-band levels of text complexity need additional support. Even many students on course for college and career readiness may still need support as they work to comprehend texts at the high end of the range of difficulty appropriate to the band. For example, many students just entering grade 2 will need some support as they read texts that are advanced for their grade band. They are likely to need extra encouragement as they master higher levels of text complexity. As they enter each new grade band, many students are likely to need at least some extra encouragement as they work to master new reading challenges, both of which the Standards allow for.

Even the end of grade 2.

The general movement during a given school year is toward texts of higher levels of complexity. The goal of students reading well above and well below grade-band levels of text complexity must be given the support needed to enable them to read at a grade-appropriate level of complexity.
As illustrated in Figure 4, text complexity in the Standards is defined in grade bands: grades 2–5, 6–8, 9–10, and 11–CCR. Students in the first year(s) of a given band are expected by the end of the year to read and comprehend texts at the high end of the range. By the end of the year, students are expected to read and comprehend literature (informational texts) independently and proficiently within the band.

5 As noted above in “Key Considerations in Implementing Text Complexity,” K–1 texts are not amenable to quantifiable measures.

### The Standards’ Grade-specific Text Complexity Demands

<table>
<thead>
<tr>
<th>Grade(s)</th>
<th>Reading Standard 10 (Individual Text Types omitted)</th>
</tr>
</thead>
<tbody>
<tr>
<td>K</td>
<td>Acquire and use information in group reading activities with purpose and understanding.</td>
</tr>
<tr>
<td>1</td>
<td>With prompting and support, read prose and poetry (informational texts) of appropriate complexity.</td>
</tr>
<tr>
<td>2</td>
<td>Grades 2–5 text complexity and comprehensibility with scaffolding as needed at the high end of the range.</td>
</tr>
<tr>
<td>3</td>
<td>Grades 2–5 text complexity and comprehensibility with scaffolding as needed at the high end of the range.</td>
</tr>
<tr>
<td>4</td>
<td>By the end of the year read and comprehend literature (informational texts) in the grades 4–5 text complexity band proficiently with scaffolding as needed at the high end of the range.</td>
</tr>
<tr>
<td>5</td>
<td>By the end of the year read and comprehend literature (informational texts) in the grades 4–5 text complexity band proficiently with scaffolding as needed at the high end of the range.</td>
</tr>
<tr>
<td>6</td>
<td>Grades 4–5 text complexity and comprehensibility with scaffolding as needed at the high end of the range.</td>
</tr>
<tr>
<td>7</td>
<td>Grades 6–8 text complexity and comprehensibility with scaffolding as needed at the high end of the range.</td>
</tr>
<tr>
<td>8</td>
<td>By the end of the year read and comprehend literature (informational texts) in the grades 6–8 text complexity band proficiently with scaffolding as needed at the high end of the range.</td>
</tr>
<tr>
<td>9–10</td>
<td>By the end of grade 9, read and comprehend literature (informational texts) in the grades 9–10 text complexity band proficiently, with scaffolding as needed at the high end of the range.</td>
</tr>
<tr>
<td>11–CCR</td>
<td>By the end of grade 12, read and comprehend literature (informational texts) at the high end of the grades 9–10 text complexity band independently and proficiently.</td>
</tr>
</tbody>
</table>

### As illustrated in Figure 4, the Progression of Reading Standard 10

![Figure 4](image-url)
Definitions of the Standards’ Three Text Types

Argument

Arguments are used for many purposes—to change the reader’s point of view, to change some action on the reader’s part, or to ask the reader to accept the writer’s explanation or evaluation of a concept, issue, or problem. An argument is a reasoned, logical way of demonstrating that the writer’s position, belief, or conclusion is valid. In English language arts, students make claims about the worth or meaning of a literary work or works. They defend their interpretations or judgments with evidence from the text(s) they are writing about. In history/social studies, students analyze evidence from multiple primary and secondary sources to advance a claim that is best supported by the evidence, and they argue for a historically or empirically situated interpretation. In science, students make claims in support of some theory or hypothesis. To produce this kind of writing, students need to provide evidence to support a claim. Although young children are not able to produce fully developed logical arguments, they develop a variety of methods to extend and elaborate their work by providing examples, offering reasons for their assertions, and describing the steps on the road to argument. In grades K–5, the term “opinion” is used to refer to this developing form of argument.

Informational/Explanatory Writing

Informational/explanatory writing conveys information accurately. This kind of writing serves one or more closely related purposes: to inform, to explain, to describe, or to persuade. Informational/explanatory writing is nonfiction writing in which the writer provides information that has been determined to be accurate and useful. Informational/explanatory writing addresses matters such as types (What are the different types of poetry?), and components (What are the parts of a motor?). To produce this kind of writing, students need knowledge of a subject and the ability to organize and present information effectively. The kind of writing serves one or more closely related purposes: to inform, to explain, to describe, or to persuade.

Narrative Writing

Narrative writing conveys experience, either real or imaginary, and uses time as its deep structure. It can be used for many purposes: to entertain the reader, to heal, to convey a message, to teach, to evoke feeling, to inspire, to inform, or to persuade. Narrative/expository writing is one of the most common genres of writing, and it forms the basis for much of the writing in our world. Narrative/expository writing involves the writer’s choice of voice and perspective, the voice and perspective being objective or subjective. A writer can establish a point of view in the first person (I), the second person (you), or the third person (he, she, or it). The writer’s choice of voice and perspective will determine the kinds and amount of information the reader will receive. In narrative/expository writing, the writer chooses the order of events to make the story clear and interesting, and the writer selects the events to make the story meaningful. Narrative/expository writing provides information accurately. The kind of writing serves one or more closely related purposes: to entertain, to heal, to convey a message, to teach, or to persuade.
The special place of argument in the Standards

In the process of describing the special value of argument in college and career-ready writing, Williams and McEnerney asserted eloquently that argument is much more than “wrangling.” They defined argument as “a serious and focused conversation among people who are intensely interested in getting to the bottom of things” (8) and went on to explain that argument forces a writer to think deeply about the validity of their own thinking and that of others. In the Standards, the value of argument is emphasized as a means of helping students engage in critical thinking and argumentation. The Standards include a special emphasis on the importance of argument in college and career work, where students are expected to think deeply about the strengths and weaknesses of multiple perspectives and to critically evaluate new evidence to support their claims.

In the Standards, argument is seen as an integral part of preparing students for college and career success. The Standards emphasize that students should be able to construct and evaluate arguments, and that they should be able to engage in critical thinking and reasoning. The Standards also emphasize the importance of argument in helping students develop the ability to think critically and to evaluate information in a systematic and thoughtful way.

The Standards include a variety of text types, including narrative, expository, and persuasive. The Standards emphasize that students should be able to use these different text types effectively, and that they should be able to use them to express their ideas clearly and coherently. The Standards also emphasize the importance of argument in helping students develop the ability to think critically and to evaluate information in a systematic and thoughtful way.

In conclusion, the special place of argument in the Standards is highlighted by the emphasis placed on argument in preparing students for college and career success. The Standards include a special emphasis on the importance of argument in helping students develop the ability to think critically and to evaluate information in a systematic and thoughtful way. The Standards also emphasize the importance of argument in helping students develop the ability to think critically and to evaluate information in a systematic and thoughtful way.
First, consider broadly important for the literate, educated person living in the diverse, information-rich environment of the twenty-first century. Broadly important for the literate, educated person living in the diverse, information-rich environment of the twenty-first century.

The states of Virginia and Florida, also found strong support for writing arguments as a key part of instruction. The 2007 writing framework for the National Assessment of Educational Progress (NAEP) (National Assessment Governing Board, 2006) assigns persuasive writing the single largest targeted allotment of assessment time at grade 12 (40 percent), versus 25 percent for narrative writing and 35 percent for informative writing). (The 2011 prepublication framework [National Assessment Governing Board, 2007] maintains the 40 percent figure for persuasive writing at grade 12, allotting 40 percent to writing to explain and 20 percent to writing to convey experience.) Writing arguments or writing to persuade is also an important element in standards frameworks for numerous high-performance nations.

Specific skills central to writing arguments are also highly valued by postsecondary educators. A 2002 survey of instructors of freshman composition and other introductory courses across the continuum of California’s community and state universities, California State University campuses, and University of California campuses (Intersegmental Committee of the Academic Senates of the California Community Colleges, the California State University, and the University of California, 2002) found that among the most important skills expected of incoming students were articulating a clear thesis; identifying, evaluating, and using evidence to support or challenge the thesis; and considering and incorporating counterarguments into their writing. Writing arguments to persuade is also an important element in standards frameworks for numerous high-performance nations.

The value of effective argument extends well beyond the classroom or workplace. However, as Richard Fulkerson (1996) puts it in Teaching the Argument in Writing, the proper context for thinking about argument is one in which the goal is not victory but a good decision, where all arguments are risk of being wrong. If they were not, the goal is not victory, but a good decision, one in which all arguments are risk of being wrong. If they were not, the goal is not victory, but a good decision, one in which all arguments are risk of being wrong.
that children's listening comprehension outpaces reading comprehension until the middle school years (grades 6-8). Beyond the earlier grades, the relationship in the reading group shifts and the importance of oral language extends well beyond the years of early reading development. In short, early language development predicts and manifests itself in later oral language development and reading. The phonological, reading, and writing components of the preschool years still accurately predict their students in grade 4. For early language competence from the preschool years still accurately predicts their placement in grade 4, from kindergarten to grade 3. The importance of early language abilities on reading and writing becomes increasingly evident in the middle school years, when the test subtests measure word recognition, oral language, and writing skills. Children who score high in these areas tend to be better readers and writers. However, it is important to note that listening comprehension is strongly predictive of later reading and writing development. It is the foundation for written language development. In other words, oral language is particularly important for the youngest students.

Figure 15: Listening and Reading Comprehension, by Age

<table>
<thead>
<tr>
<th>Age</th>
<th>Listening Comprehension</th>
<th>Reading Comprehension</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>4</td>
<td>5</td>
<td>6</td>
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<td>5</td>
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<td>7</td>
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<td>6</td>
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<td>8</td>
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<td>7</td>
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<td>9</td>
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<td>8</td>
<td>9</td>
<td>10</td>
</tr>
<tr>
<td>9</td>
<td>10</td>
<td>11</td>
</tr>
<tr>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
</tbody>
</table>

For children in preschool and the early grades, receptive and expressive abilities do not develop simultaneously or at the same pace. Receptive language generally precedes expressive language, and this is especially true for young children. For example, a child might be able to understand a word before they can produce it, but they will not have the vocabulary to use it until they have mastered the language. Children who are able to listen and speak words orally are better readers. This is because early language advantage persists and manifests itself in higher levels of literacy. A meta-analysis by Sticht and James (1984) indicates that the importance of oral language extends well beyond the early years. Children who score high in oral language abilities tend to be better readers and writers. However, it is important to note that listening comprehension is strongly predictive of later reading and writing development. It is the foundation for written language development. In other words, oral language is particularly important for the youngest students.
The research strongly suggests that the English language arts classroom should explicitly address the link between oral and written language, exploiting the influence of oral language on a child’s later ability to read by allocating instructional time to building children’s listening skills, as called for in the Standards. The early grades should not focus on decoding alone, nor should the later grades pay attention only to building reading comprehension. Time should be devoted to reading aloud to young children, just as it is to providing those same children with the skills they will need to decode and encode."}

Read-Alouds and the Reading-Speaking-Listening Link

Because oral language is of greatest importance for the children most at risk—children for whom English is a second language and children who have not been exposed at home to the kind of language found in written texts (Dickinson & Smith, 1994)—teachers should ensure that all children have access to rich, structured conversations with adults about written texts. Children should be encouraged to participate in conversations that are meaningful, relevant, and appropriate for their age and language proficiency. This focus on oral language is of greatest importance for the children most at risk—children for whom English is a second language and children who have not been exposed at home to the kind of language found in written texts (Dickinson & Smith, 1994).
The Standards take a hybrid approach to matters of conventions, knowledge of language, and vocabulary. As noted in the table below, certain elements important to reading, writing, and speaking and listening are included in those strands to help provide a coherent set of expectations for those modes of communication. The Standards also provide an overview of certain elements of conventions, knowledge of language, and vocabulary, as noted in the table below.

<table>
<thead>
<tr>
<th>Standard</th>
<th>Writing</th>
<th>Speaking and Listening</th>
<th>Reading</th>
</tr>
</thead>
<tbody>
<tr>
<td>W.CCR.5.</td>
<td>Develop and strengthen writing as needed by planning, revising, editing, and rewriting or trying a new approach.</td>
<td>Adapt speech to a variety of contexts and communicative tasks, demonstrating command of formal English when indicated or appropriate.</td>
<td>Interact and respond to a variety of contexts and communicative tasks, demonstrating command of formal English when indicated or appropriate.</td>
</tr>
<tr>
<td>S.L.CCR.6.</td>
<td>Use spoken word choice to acquire, interpret, and respond to spoken language, including listening, viewing, reading, and writing.</td>
<td>Use spoken word choice to acquire, interpret, and respond to spoken language, including listening, viewing, reading, and writing.</td>
<td>Use spoken word choice to acquire, interpret, and respond to spoken language, including listening, viewing, reading, and writing.</td>
</tr>
<tr>
<td>R.CCR.4.</td>
<td>Interpret words and phrases as they are used in a text, including determining technical, connotative, and figurative meanings, and analyze how specific word choices shape meaning and tone.</td>
<td>Use spoken word choice to acquire, interpret, and respond to spoken language, including listening, viewing, reading, and writing.</td>
<td>Use spoken word choice to acquire, interpret, and respond to spoken language, including listening, viewing, reading, and writing.</td>
</tr>
</tbody>
</table>

In many respects, however, conventions, knowledge of language, and vocabulary extend across reading, writing, speaking, and listening. The inclusion of Language standards in their own strand should not be taken as an indication that skills related to conventions, knowledge of language, and vocabulary are unimportant to reading, writing, speaking, and listening; indeed, they are inseparable from such contexts.
Making Appropriate Grammar and Usage Choices in Writing and Speaking

Understanding language is a complex and continuous process that begins in the early years and continues throughout life. The Common Core State Standards for English Language Arts and Literacy in History/Social Studies, Science, and Technical Subjects emphasize the development of linguistic skills and understanding in speaking, listening, reading, and writing. These skills and understandings are critical for success in academic and professional contexts.

### Progressive Language Skills in the Standards

The following example shows how one might evaluate students' progress in developing their language skills:

**Subject-Verb Agreement**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>3rd</td>
<td>Enhance awareness of <strong>subject-verb agreement</strong>.</td>
</tr>
<tr>
<td>4th</td>
<td>Develop <strong>subject-verb agreement</strong> in writing and speaking.</td>
</tr>
<tr>
<td>5th</td>
<td>Use <strong>subject-verb agreement</strong> accurately in writing and speaking.</td>
</tr>
<tr>
<td>6th</td>
<td>Demonstrate <strong>subject-verb agreement</strong> in writing and speaking.</td>
</tr>
</tbody>
</table>

### Using Knowledge of Grammar and Usage for Reading and Listening

Grammar and usage play a critical role in reading and listening comprehension. Students who understand grammar and usage are better equipped to make sense of texts, and they can use this knowledge to enhance their own writing. For example, understanding **subject-verb agreement** can help students write more coherent and precise sentences. This is particularly important in subjects like history, where understanding dates and events is crucial.

### Retraining and Retraining in More Advanced Writing

The standards encourage students to **retrain and relearn** skills and understandings as their writing and speaking mature and grow more complex. This is especially true for **subject-verb agreement**, which is a fundamental aspect of grammatical accuracy. As students progress through the grades, the expectations for **subject-verb agreement** increase, reflecting the growing complexity of their writing and speaking.

### Progression in Language Skills

The standards are designed to **progressively develop** students' linguistic skills and understanding, with each grade building on the previous one. This progression ensures that students have a solid foundation in language before tackling more advanced tasks. The **subject-verb agreement** requirement, for example, begins in grade 3 and is reinforced in subsequent grades, allowing students to develop a robust understanding of this critical aspect of language use.
<table>
<thead>
<tr>
<th>Condition</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>Verb</td>
<td>Horses are so beautiful and fun to ride.</td>
</tr>
<tr>
<td>Intervening phrase between subject and verb</td>
<td>When I started out the door, I noticed that Tigger and Max were following me to school.</td>
</tr>
<tr>
<td>Compound subject joined by or, each</td>
<td>A mother or female horse is called a mare.</td>
</tr>
<tr>
<td>Indefinite pronoun as subject, with increasing distance between subject and verb</td>
<td>Another was the way to the other evil places.</td>
</tr>
<tr>
<td>Intervening phrase between subject and verb for the verb that the subject calls for and with suggesting a different number</td>
<td>If the watershed for the pools is changed, the condition of the pools is changed. The condition of the pools is changed.</td>
</tr>
<tr>
<td>Subject and verb next to each other</td>
<td>The first thing is to do is research. Research the facts.</td>
</tr>
</tbody>
</table>

Figure 17: Example of Subject-Verb Agreement Progression across Grades
The following standards, marked with an asterisk (*) in the main Standards document, are particularly likely to require continued attention in higher grades as they are applied to increasingly sophisticated writing and speaking.

<table>
<thead>
<tr>
<th>Grade(s)</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>L.3.1f. Ensure subject-verb and pronoun-antecedent agreement.</td>
</tr>
<tr>
<td>3</td>
<td>L.3.3a. Choose words and phrases for effect.</td>
</tr>
<tr>
<td>4</td>
<td>L.4.1f. Produce complete sentences, recognizing and correcting inappropriate fragments and run-ons.</td>
</tr>
<tr>
<td>4</td>
<td>L.4.1g. Correctly use frequently confused words (e.g., to/too/two).</td>
</tr>
<tr>
<td>5</td>
<td>L.5.1d. Recognize and correct inappropriate shifts in verb tense.</td>
</tr>
<tr>
<td>5</td>
<td>L.5.2a. Use punctuation (commas, parentheses, etc.) to set off nonrestrictive (parenthetical) elements.</td>
</tr>
<tr>
<td>6</td>
<td>L.6.1c. Recognize and correct inappropriate shifts in pronoun number and person.</td>
</tr>
<tr>
<td>6</td>
<td>L.6.1d. Recognize and correct vague pronouns (i.e., ones with unclear or ambiguous antecedents).</td>
</tr>
<tr>
<td>6</td>
<td>L.6.1e. Recognize and correct variations from standard English in their own and others’ writing and speaking.</td>
</tr>
<tr>
<td>6</td>
<td>L.6.2a. Use punctuation (commas, parentheses, etc.) to set off nonrestrictive (parenthetical) elements.</td>
</tr>
<tr>
<td>6</td>
<td>L.6.3a. Vary sentence patterns for meaning, reader/listener interest, and style.</td>
</tr>
<tr>
<td>7</td>
<td>L.7.1c. Place phrases and clauses within a sentence, recognizing and correcting misplaced and dangling modifiers.</td>
</tr>
<tr>
<td>7</td>
<td>L.7.3a. Choose language that expresses ideas precisely, recognizing and eliminating wordiness and redundancy.</td>
</tr>
<tr>
<td>8–12</td>
<td>L.11–12.1a. Ensure subject-verb and pronoun-antecedent agreement.</td>
</tr>
</tbody>
</table>

Vocabulary

Acquiring Vocabulary

Words are not just words. They are the nexus—the interface—between communication and thought. When we read, it is through words that we build, refine, and modify our knowledge. What makes vocabulary valuable and important is not the words themselves so much as the understandings they afford.

Research suggests that if students are going to grasp and retain words and comprehend text, they need incremental, repeated exposure in a variety of contexts to the words they are trying to learn. When students make multiple associations of a word in different contexts, they are more likely to remember the word (Hayes & Ahrens, 1988).

Written language contains literally thousands of words more than are typically used in conversational language. Yet all the words children learn in speaking to each other or to adults are not words that they will ever need to read. They will need to read, they must grasp upward of 95 percent of the words (Betts, 1946; Carver, 1994; Hu & Nation, 2000; Laufer, 1988).

The challenge in reaching what we might call "lexical dexterity" is that, in any given instance, it is not the entire spectrum of a word's history, meanings, usages, and features that matters but only those aspects that are relevant at that moment. Therefore, for teachers to teach the meanings of a word, they must first teach the basic meanings and then teach the nuances that are relevant at the particular moment. Teachers should focus on helping students understand the primary meaning of a word and then teach the nuance in the context of its use in the text (Landauer & Dumais, 1997; Landauer, McNamara, Dennis, & Kintsch, 2007; Nagy, Herman, & Anderson, 1985).

Initially, children need to learn words. As they pass through school, they are able to acquire understandings of word meanings, build awareness of the workings of language, and apply their knowledge to comprehension. Yet when we read, it is through words that we build, refine, and modify our knowledge. Words are not just words. They are the nexus—the interface—between communication and thought.
Three Tiers of Words

Isabel L. Beck, Margaret G. McKeown, and Linda Kucan (2002, 2008) have outlined a useful model for conceptualizing categories of words readers encounter in texts and for understanding the instructional and learning challenges that words in each category present. They describe three levels, or tiers, of words in terms of the words’ commonality (more to less frequently occurring) and applicability (broader to narrower).

While the term tier may connote a hierarchy, a ranking of words from least to most important, the reality is that all three tiers of words are vital to comprehension and vocabulary development, although learning tier two and three words typically requires more deliberate effort (at least for students whose first language is English) than does learning tier one words.

- **Tier one words** are the words of everyday speech usually learned in the early grades, albeit not at the same rate by all children. They are not considered a challenge to the average native speaker, though English language learners of any age will have to attend carefully to them. Tier One words are important, but they are not the kind of words that need special attention.

- **Tier two words** (what the Standards refer to as general academic words) are far more likely to appear in written texts than in speech. They appear in all sorts of texts: informational texts (words such as relative, vary, formulate, specificity, and accumulate), technical texts (calibrate, itemize, periphery), and literary texts (misfortune, dignified, faltered, unabashedly). Tier Two words often represent subtle or precise ways to say relatively simple things—saunter instead of walk, for example. Because Tier Two words are found across many types of texts, they are highly generalizable.

- **Tier three words** (what the Standards refer to as domain-specific words) are specific to a domain or field of study (lava, carburetor, legislature, circumference, aorta) and key to understanding a new concept within a text. Because Tier Three words are obviously unfamiliar to most students, contain the ideas necessary to a new topic, and are recognized as both important and specific to the subject area in which they are used, teachers of all ages need to be alert to their presence in Tier Two and Tier Three words in particular texts and by singling out Tier Two and Tier Three words in contexts in which they appear.

**Tier Two Words and Access to Complex Texts**

Because Tier Three words are obviously unfamiliar to most students, contain the ideas necessary to a new topic, and are recognized as both important and specific to the subject area in which they are used, teachers of all ages need to be alert to their presence in Tier Two and Tier Three words in particular texts and by singling out Tier Two and Tier Three words in contexts in which they appear. Tier Two words are frequently encountered in complex written texts and are particularly connected to the Tier Three words that are found in the texts in which they appear and are less frequent. Tier Two words are less widely defined in texts than Tier Three words, which are more frequently defined explicitly within a text. Yet Tier Two words are frequently encountered in complex written texts and are particularly powerful because of their wide applicability to many sorts of reading.

**Tier Three Words and Content Learning**

This normal process of word acquisition occurs up to four times faster for Tier Three words when students have become familiar with the ideas they represent. Familiarity with the ideas, in turn, can help students develop a conceptual understanding of the subject, which in turn can lead to a deeper understanding of the content. Teachers can useTier Two words to provide a bridge to Tier Three words, thereby helping students to understand and remember the ideas presented in complex texts.

**Examples of Tier Two and Tier Three Words in Context**

Teachers thus need to be alert to the presence of Tier Two and Tier Three words and determine which ones need careful attention.

**Tier Two Words**

- **The words** that are standards referred to as domain-specific words are specific to a domain or field of study.

**Tier Three Words**

- **The words** that are standards referred to as general academic words are more likely to appear in written texts than in spoken texts. They appear in all sorts of texts: informational texts (words such as relative, vary, formulate, specificity, and accumulate), technical texts (calibrate, itemize, periphery), and literary texts (misfortune, dignified, faltered, unabashedly).

- **The words** that are standards referred to as general academic words are more likely to appear in written texts than in spoken texts. They appear in all sorts of texts: informational texts (words such as relative, vary, formulate, specificity, and accumulate), technical texts (calibrate, itemize, periphery), and literary texts (misfortune, dignified, faltered, unabashedly).

**Examples of Tier Two and Tier Three Words in Context**

The following annotated samples call attention to Tier Two and Tier Three words in particular texts and, by singling them out, foreground the importance of these words to the meaning of the texts in which they appear.

**Example 1:** Volcanoes (Grades 4–5 Text Complexity Band 6)

In early times, no one knew how volcanoes formed or why they spouted red-hot molten rock in modern times, scientists began to study volcanoes. They still don't know all the answers, but they suspect red-hot molten rock in
It all started on a bus. Not so long ago in Montgomery, Alabama, the color of your skin determined where you could sit on public transportation routes—by where you could ride together in a taxi.

In Montgomery, it was against the law for a white person to sit next to a Negro. In the same city, it was against the law for a white person and a Negro to play checkers on public squares. People were separated by race from the moment they were born in Montgomery, Alabama, under strict laws that enforced a system of segregation. Stricter laws—called “Jim Crow”—made sure the Negro did not attend the same schools, worship in the same churches, eat in the same restaurants, sleep in the same hotels, drink from the same water fountains, or sit together in the same movie theaters. People were separated by race from the moment they were born in segregated hospitals until the day they were buried in segregated cemeteries. Blacks and whites did not attend the same schools, hospitals, or cemeteries.

From the Introduction: “Why They Walked”

Excerpt
Understanding the excerpt’s Tier Three words is also necessary to comprehend the text fully. As was the case in example 1, these words are often repeated and defined in context. Segregating, for example, is introduced in the second sentence (while supremacy, discriminated, second-class) appears in the next sentence to provide more con-
Every effort has been made to ensure that the phrasing of the Standards is as clear and free of jargon as possible. Definitions of many important terms associated with reading foundational skills appear in Reading Foundational Skills; page 17-22. Descriptions of the Standards, including what words and phrases are analogous to the three words (e.g., common, domain-specific) to a particular field of study (domain), can be found in the Standards’ body (CCSS, p. 33).
scaffolding – Temporary guidance or assistance provided to a student by a teacher, another adult, or a more capable peer, enabling the student to perform a task he or she otherwise would not be able to do alone, with the goal of fostering the student’s capacity to perform the task on his or her own later on.  

though vygotsky himself does not use the term scaffolding, the educational meaning of the term releases closely to his con-
SECTION 4

Wisconsin Research and Resources
Guiding Principles for Teaching and Learning: Research, Probing Questions, Resources, and References

1. Every student has the right to learn.
   It is our collective responsibility as an education community to make certain each child receives a high-quality, challenging education designed to maximize potential; an education that reflects and stretches his or her abilities and interests. This belief in the right of every child to learn forms the basis of equitable teaching and learning. The five principles that follow cannot exist without this commitment guiding our work.

2. Instruction must be rigorous and relevant.
   To understand the world in which we live, there are certain things we all must learn. Each school subject is made up of a core of essential knowledge that is deep, rich, and vital. Every student, regardless of age or ability, must be taught this essential knowledge. What students learn is fundamentally connected to how they learn, and successful instruction blends the content of a discipline with processes of an engaging learning environment that changes to meet the dynamic needs of all students.

   Assessment is an integral part of teaching and learning. Purposeful assessment practices help teachers and students understand where they have been, where they are, and where they might go next. No one assessment can provide sufficient information to plan teaching and learning. Using different types of assessments as part of instruction results in useful information about student understanding and progress. Educators should use this information to guide their own practice and in partnership with students and their families to reflect on learning and set future goals.

4. Learning is a collaborative responsibility.
   Teaching and learning are both collaborative processes. Collaboration benefits teaching and learning when it occurs on several levels: when students, teachers, family members, and the community collectively prioritize education and engage in activities that support local schools, educators, and students; when educators collaborate with their colleagues to support innovative classroom practices and set high expectations for themselves and their students; and when students are given opportunities to work together toward academic goals in ways that enhance learning.

5. Students bring strengths and experiences to learning.
   Every student learns. Although no two students come to school with the same culture, learning strengths, background knowledge, or experiences, and no two students learn in exactly the same way, every student's unique personal history enriches classrooms, schools, and the community. This diversity is our greatest education asset.

6. Responsive environments engage learners.
   Meaningful learning happens in environments where creativity, awareness, inquiry, and critical thinking are part of instruction. Responsive learning environments adapt to the individual needs of each student and encourage learning by promoting collaboration rather than isolation of learners. Learning environments, whether classrooms, schools, or other systems, should be structured to promote engaged teaching and learning.
Guiding Principle 1:
Every student has the right to learn.

It is our collective responsibility as an education community to make certain each child receives a high-quality, challenging education designed to maximize potential, an education that reflects and stretches his or her abilities and interests. This belief in the right of every child to learn forms the basis of equitable teaching and learning. The five principles that follow cannot exist without this commitment guiding our work.

Every student's right to learn provides the overarching vision for Wisconsin's Guiding Principles for education. To be successful, education must be committed to serving the learning needs of students from various social, economic, cultural, linguistic, and developmental backgrounds. For all students to have a guaranteed right to learn, schooling must be equitable.

Research Summary

Focusing on Equity

The belief that each student has the right to learn despite differences in educational needs and backgrounds has important implications for ensuring an equitable education for all students. In the education research literature, the term educational equality refers to the notion that all students should have access to an education of similar quality—the proxy for which is frequently educational inputs such as funding, facilities, resources, and quality teaching and learning. In contrast, the term educational equity connotes the requirement that all students receive an education that allows them to achieve at a standard level or attain standard educational outcomes (Brighouse & Swift, 2008). Importantly, equality in terms of educational resources or inputs may not guarantee equity in educational outcomes because not all students reach the same level of achievement with the same access to resources (Brighouse & Swift, 2008). To serve students of varying economic, social, developmental, or linguistic backgrounds, achieving equity in education may require more resources to meet the greater educational needs of certain students (Berne & Stiefel, 1994).

The research literature offers several components that provide a framework for understanding what an equitable education for all students looks like at the classroom level. These components include a call for all students to be provided with the following:

- Access to resources and facilities
- Instruction in all areas tailored to their needs
- Curriculum that is rigorous and relevant
- Educators who are culturally sensitive and respectful
- Interactions with staff and other students that are positive and encouraging in an atmosphere of learning
- Assessment that is varied to give each student the opportunity to demonstrate learning (Education Northwest, 2011)

Access

Access to resources and facilities largely refers to various legal mandates that all children have the right to attend school and participate in all school activities. Since the landmark ruling Brown v. Board of Education of Topeka (1954), court decisions and federal regulations have mandated equality of access to all educational opportunities for students regardless of race, ethnicity, or gender (Civil Rights Act, 1964), disability (Education for All Handicapped Children Act, 1975), or language (Lau v. Nichols, 1974). Equity in the provision of educational resources and funding was improved with the passage of Title I of the Elementary and Secondary Education Act (ESEA; 1965), which provided additional resources for economically disadvantaged students to meet their learning needs. Since Title I, research on equity in education has grown, and with the reauthorization of ESEA in the No Child Left Behind Act in 2001, equity in educational outcomes for all students was emphasized in the law. Access to an equitable education is a legal right for all children, and the quality of that access in classroom instruction is a moral and ethical right.
Instruction

Instruction that is tailored to meet all students’ needs goes beyond simply providing equal access to education. High-quality instruction has increasingly been defined in the literature as a key factor in student achievement. High-quality instruction includes differentiated instructional strategies, teaching to students’ learning styles, and provision of instructional support for students who are educationally, socially, or linguistically challenged. Differentiated instruction involves utilizing unique instructional strategies for meeting individual student needs as well as modifying curriculum for both high- and low-performing students. Assessing and teaching to student learning styles is one form of differentiation. Research has shown the value of adapting instructional strategies to different student learning styles (Gardner, 1999) and supports the practice of classroom differentiation (Mulroy & Eddinger, 2003; Tomlinson, 2005).

Curriculum

Designing curriculum that is rigorous and relevant provides an important foundation for a high-quality learning environment by helping make standards-based content accessible to all students. A relevant, rigorous curriculum has been found to be important for all students. Although advanced and rigorous curriculum is generally viewed to be an important factor of academic success for high-achieving students, research also indicates that using challenging, interesting, and varied curriculum for students of all achievement levels improves student achievement (Daggett, 2005). Rigorous curriculum can be adapted for low-performing students in a way that challenges them and helps them meet learning standards. For example, the universal design for learning (UDL) offers strategies for making the general curriculum accessible to special education students (Rose, Hasselbring, Stahl, & Zabala, 2009). Similarly, research on lesson scaffolding emphasizes strategies for providing a rigorous content curriculum to student who are culturally or linguistically diverse or who need additional context to understand certain concepts (Gibbons, 2002).

Climate

Interactions with staff and students that are positive and focused on learning are part of an emotionally safe school climate, but the literature also supports the need for a climate of high academic expectations (Haycock, 2001). Schools with large numbers of high-poverty and racially diverse students have shown significant academic growth when teachers and staff members create an environment of high expectations for achievement (Reeves, 2010). In addition, research on school climate has asserted the need for students to feel emotionally safe and respected as well as physically safe in school (Gronna & Chin-Chance, 1999).

A positive, respectful learning environment with high expectations and curricular and instructional supports for all students offers an avenue to genuine educational equity.

Probing Questions

- What are some of the needs and challenges your school faces in moving toward a fully equitable education for all students?
- How could you provide leadership in your school to work to ensure an equitable education for all students?
Resources

A variety of resources are available for teachers and leaders on educational equity for all students. A few websites and links are highlighted below:

The School Improvement Center developed activities to help districts develop an equity framework. These resources can be found at Actualizing Equity: The Equity Framework: http://www.gapsc.com/EducatorPreparation/NoChildLeftBehind/Admin/Files/conference_032010/Actualizing_Equity.pdf.

The Education Equality Project developed a website with useful resources for educators. It can be found at http://www.edequality.org.

The Equity Center has a website with a variety of resources. The resources can be found at http://educationnorthwest.org/project/Equity%20Program/resource/.

The Midwest Equity Assistance Center has a website with many resources. It can be found at http://www.meac.org/Publications.html.

The Office for Civil Rights has a useful website for educators. It can be found at http://www2.ed.gov/about/offices/list/ocr/index.html.

Southern Poverty Law Center, Teaching Tolerance Program. Resources can be found at http://www.splcenter.org/what-we-do/teaching-tolerance.

References


Guiding Principle 2:
Instruction must be rigorous and relevant.

To understand the world in which we live, there are certain things we all must learn. Each school subject is made up of a core of essential knowledge that is deep, rich, and vital. Every student, regardless of age or ability, must be taught this essential knowledge. What students learn is fundamentally connected to how they learn, and successful instruction blends the content of a discipline with processes of an engaging learning environment that changes to meet the dynamic needs of all students.

Research Summary
Instruction should connect directly to students’ lives and must deeply engage them with the content in order for students to be better prepared for college and careers. To succeed in postsecondary education and in a 21st century economy, students must be afforded opportunities to practice higher-order thinking skills, such as how to analyze an argument; weigh evidence, recognize bias (their own and others’ bias), distinguish fact from opinion, balance competing principles, work collaboratively with others, and be able to communicate clearly what they understand (Wagner, 2006). In order to accomplish these goals, instruction must be rigorous and meaningful.

The definition of rigor varies greatly in both research and practice. Bower and Powers (2009) conducted a study to determine the essential components of rigor. They defined rigor through their research as “how the standard curriculum is delivered within the classroom to ensure students are not only successful on standardized assessments but also able to apply this knowledge to new situations both within the classroom and in the real world.” They also identified higher-order thinking and real-world application as two critical aspects of rigor, suggesting that it is not enough for students to know how to memorize information and perform on multiple-choice and short-answer tests. Students must have deep and rich content knowledge, but rigor also includes the ability to apply that knowledge in authentic ways.

Teaching and learning approaches that involve students collaborating on projects that culminate with a product or presentation are a way to bring rigor into the classroom. Students can take on real problems, use what they know and research to come up with real solutions to real problems. They must engage with their subject and with their peers.

In August 2010, the Institutes of Education Sciences reported the results of a randomized control trial showing that a problem-based curriculum boosted high school students’ knowledge of economics. This research suggests that students using this learning system and its variants score similarly on standardized tests as students who follow more traditional classroom practices. The research also suggests that students learning through problem-solving and projects are more adept at applying what they know and are more deeply engaged.

The notion of a meaningful curriculum is not a new one. John Dewey (1990), writing in 1902, called for a curriculum that involves a critical but balanced understanding of the culture and the prior knowledge of each child in order to extend learning. According to Spillane (2000), presenting content in more authentic ways—disciplinary and other real-world contexts—has become a central theme of current reform movements. Schools should be places where “the work students are asked to do [is] work worth doing” (Darling-Hammond, 2006, p. 21). Research collected by the International Center for Leadership in Education shows that “students understand and retain knowledge best when they have applied it in a practical, relevant setting” (Daggett, 2005, p. 2). A skilled 21st century educator helps students master learning targets and standards using purposefully crafted lessons and teaches with appropriate instructional strategies incorporated. The students understand why they are learning particular skills and content and are engaged in learning opportunities that allow them to use their inquiry skills, creativity, and critical thinking to solve problems.

According to Brown, Collins, and Duguid (1989), instruction connected to individual contexts has been found to have a significant impact on learning. Research conducted by Sanbonmatsu, Shavitt, and Sherman (1991) and Petey and Cacioppo (1984) also contends that student learning is directly influenced by how well it is connected to a context. Much of this research began with the analysis of how people learn when they find the ideas significant to their own world. It begins to show the importance of connecting content and instruction to the world of the students. Weaver and Cottrell (1988) point out that how content is presented can affect how students retain it. They state instruction that connects the content to the students’ lives and experiences helps students to internalize meaning. Sass (1989) and Keller (1987) suggest...
that if teachers can make the content familiar to the students and link it to what they are familiar with, students’ learning will increase. Shulman and Luechauer (1993) contend that these connections must be done by engaging students with rigorous content in interactive learning environments.

**Higher-Order Thinking**

Higher-order thinking, according to Newmann (1990), “challenges the student to interpret, analyze, or manipulate information” (p. 45). This definition suggests that instruction must be designed to engage students through multiple levels in order for them to gain a better understanding of the content. An analysis of the research by Lewis and Smith (1993) led to their definition of higher-order thinking: “when a person takes new information and information stored in memory and interrelates and/or rearranges and extends this information to achieve a purpose or find possible answers in perplexing situations” (p. 44). This definition emphasizes the level of complexity necessary to help students reach a deeper and higher level of understanding of the content. Shulman (1987) points out teachers will need an in-depth knowledge of their content to be able to fit these types of strategies to their instruction.

**Real-World Application**

VanOers and Wardekker (1999) indicate that connecting instruction to real-world applications gives meaning to learning, makes it practical, and can help to develop connections with the greater community. Incorporating real-world examples becomes more authentic to students because they will be able to connect the learning to the bigger picture rather than just the classroom. Newmann and Wehlage (1993) describe the three criteria developed by Archbald and Newmann (1988) for this type of authentic learning: “Students construct meaning and produce knowledge, students use disciplined inquiry to construct meaning, and students aim their work toward production of discourse, products, and performances that have value or meaning beyond success in school” (p. 8). These criteria, when reflected upon by teachers, can be a useful tool to ensure that instruction is authentic and engaging for all students.

**Authentic Learning**

Authentic learning builds on the concept of “learning by doing” to increase a student’s engagement. To succeed, this method needs to have meaning or value to the student, embody in-depth learning in the subject and allow the student to use what he or she learned to produce something new and innovative (Lemke & Coughlin, 2009). For example, in project-based learning, students collaborate to create their own projects that demonstrate their knowledge (Bell, 2010). Students start by developing a question that will guide their work. The teacher acts as the supervisor. The goal is greater understanding of the topic, deeper learning, higher-level reading, and increased motivation (Bell, 2010). Research has shown that students who engage in project-based learning outscore their traditionally educated peers in standardized testing (Bell, 2010).

Constructivist learning is also a way to bring authenticity to the classroom. Richard Mayer (2004) defines constructivist learning as an “active process in which learners are active sense makers who seek to build coherent and organized knowledge.” Students co-construct their learning, with the teacher serving as a guide or facilitator (oftentimes using technology as a facilitating tool). The teacher doesn’t function in a purely didactic manner. Neo and Neo (2009) state that constructivism helps students develop problem-solving skills, critical thinking and creative skills and apply them in meaningful ways. Inquiry-based instruction, a type of constructivist learning, has students identify real-world problems and then pose and find answers to their own questions. A study by Minner, Levy and Century (2010) has shown this method can improve student performance. They found inquiry-based instruction has a larger impact (approximately 25-30% higher) on a student’s initial understanding and retention of content than any other variable.

Another form of authentic learning involves video simulated learning or gaming. Research has shown that video games can provide a rich learning context by fostering creative thinking. The games can show players how to manage complex problems and how their decisions can affect the outcome (Sharritt, 2008). This form of learning also can engage students in collaboration and interaction with peers.

**Multimodal Instruction**

Multimodal teaching leverages various presentation formats—such as printed material, videos, PowerPoints, and computers—to appeal to different learning styles (Birch, 2009; Moreno & Mayer, 2007). It accommodates a more diverse curriculum and can provide a more engaging and interactive learning environment (Birch, 2009). According to research, an effective way of learning is by utilizing different modalities within the classroom, which can help students understand difficult concepts—therefore improving how they learn (Moreno & Mayer, 2007).
An example of multimodal learning that incorporates technology is digital storytelling. Digital storytelling is the practice of telling stories by using technology tools (e.g., digital cameras, authoring tools, computers) to create multimedia stories (Sadik, 2008). Researchers have found that using this form of learning facilitates student engagement, deep learning, project-based learning, and effective integration of technology into instruction (Sadik, 2008).

**Probing Questions**

- Research emphasizes the need for higher-order thinking embedded in instructional practice. How might you learn to incorporate higher-order thinking strategies into your practice?

- The research also suggests the need to connect learning experiences to the real world of the students. How can you use real-world examples in your practice to better engage students in their learning?

**Resources**

The Rigor/Relevance Framework created by Daggett (2005) is a useful tool to create units, lessons, and assessments that ask students to engage with content at a higher, deeper level. The model and examples are available on the following website: [http://www.leadered.com/rrr.html](http://www.leadered.com/rrr.html).

Newmann’s Authentic Intellectual Work Framework (Newmann, Secada & Wehlage, 1995) gives teachers the tools to analyze instructional practices and student work in regard to indicators of rigor. The research and tools are available at the Center for Authentic Intellectual Work website: [http://centerforaiw.com/](http://centerforaiw.com/).

**References**


Finkelstein, Neal, Thomas Hanson, Chun-Wei Huang, Becca Hirschman, and Min Huang. (2010). Effects of problem based economics on high school economics instruction.” *Institute For Education Sciences*. West Ed.


Guiding Principle 3:
Purposeful assessment drives instruction and affects learning.

Assessment is an integral part of teaching and learning. Purposeful assessment practices help teachers and students understand where they have been, where they are, and where they might go next. No one assessment can provide sufficient information to plan teaching and learning. Using different types of assessments as part of instruction results in useful information about student understanding and progress. Educators should use this information to guide their own practice and in partnership with students and their families to reflect on learning and set future goals.

Research Summary
Assessment informs teachers, administrators, parents, and other stakeholders about student achievement. It provides valuable information for designing instruction; acts as an evaluation for students, classrooms, and schools; and informs policy decisions. Instruments of assessment can provide formative or summative data, and they can use traditional or authentic designs. Research on assessment emphasizes that the difference between formative and summative assessment has to do with how the data from the assessment is used.

Dunn and Mulvenon (2009) define summative assessment as assessment "data for the purposes of assessing academic progress at the end of a specified time period (i.e., a unit of material or an entire school year) and for the purposes of establishing a student's academic standing relative to some established criterion" (p. 3).

The Council of Chief State School Officers (CCSSO) (2008) define formative assessment as a process "used by teachers and students during instruction that provides feedback to adjust ongoing teaching and learning to improve students’ achievement of intended instructional outcomes" (p. 3).

Wisconsin’s approach to balanced assessment www.dpi.wi.gov/oea/balanced emphasizes the importance of identifying the purposes for administering an assessment. Identifying the purpose or data needed establishes whether a particular assessment is being used formatively or summatively. There can be multiple purposes for giving a particular assessment, but identifying how the data will be used helps to ensure that the assessment is collecting the data that is needed for educators, students and their families.

Assessments, whether formative or summative, can be designed as traditional or authentic tools. Traditional assessment uses tools such as paper and pencil tests, while authentic assessment focuses on evaluating student learning in a more “real life” situation. The bulk of the research on assessment design focuses on authentic assessment.

Formative Assessment
Using formative assessment as a regular part of instruction has been shown to improve student learning from early childhood to university education. It has been shown to increase learning for both low-performing and high-performing students. Black and William’s (1998) seminal study found that the use of formative assessment produces significant learning gains for low-achieving students. Other researchers have shown similar results for students with special learning needs (McCurdy & Shapiro, 1992; Fuchs & Fuchs, 1986). Research also supports the use of formative assessment in kindergarten classes (Bergan, Sladeczek, Schwarz, & Smith, 1991), and university students (Martinez & Martinez, 1992).

Formative assessment provides students with information on the gaps that exist between their current knowledge and the stated learning goals (Ramaprasad, 1983). By providing feedback on specific errors it helps students understand that their low performance can be improved and is not a result of lack of ability (Vispoel & Austin, 1995). Studies emphasize that formative assessment is most effective when teachers use it to provide specific and timely feedback on errors and suggestions for improvement (Wininger, 2005), when students understand the learning objectives and assessment criteria, and when students have the opportunity to reflect on their work (Ross, 2006; Ruiz-Primo & Furtak, 2006). Recent research supports the use of web-based formative assessment for improving student achievement (Wang, 2007).
A number of studies emphasize the importance of teacher professional development on formative assessment in order to gain maximum student achievement benefits (Atkins, Black & Coffey, 2001; Black & William, 1998). A 2009 article in Educational Measurement asserts that teachers are better at analyzing formative assessment data than at using it to design instruction. Research calls for more professional development on assessment for teachers (Heritage, Kim, Vendlinski, & Herman, 2009).

**Authentic Assessment**

Generating rich assessment data can be accomplished through the use of an authentic assessment design as well as through traditional tests. Authentic assessments require students to “use prior knowledge, recent learning, and relevant skills to solve realistic, complex problems” (DiMartino & Castaneda, 2007, p. 39). Research on authentic assessment often explores one particular form, such as portfolios (Berryman & Russell, 2001; Tierney et al., 1998); however, several studies examined more than one form of authentic assessment: portfolios, project-based assessment, use of rubrics, teacher observation, and student demonstration (Darling-Hammond, Rustique-Forrester, & Pecheone, 2005; Herman, 1997; Wiggins, 1990). Authentic assessment tools can be used to collect both formative and summative data. These data can provide a more complete picture of student learning.

**Balanced Assessment**

Wisconsin’s Next Generation Assessment Task Force (2009) defines the purpose and characteristics of a balanced assessment system:

**Purpose:** to provide students, educators, parents, and the public with a range of information about academic achievement and to determine the best practices and policies that will result in improvements to student learning.

**Characteristics:** includes a continuum of strategies and tools that are designed specifically to meet discrete needs—daily classroom instruction, periodic checkpoints during the year, and annual snapshots of achievement. (p. 6)

A balanced assessment system is an important component of quality teaching and learning. Stiggins (2007) points out that a variety of quality assessments must be available to teachers in order to form a clearer picture of student achievement of the standards. Popham (2008) believes that when an assessment is of high quality, it can accurately detect changes in student achievement and can contribute to continuous improvement of the educational system.

**Probing Questions**

- How might you use questioning and discussion in your classroom in a way that gives you formative assessment information on all students?
- How can you use assignments and tests as effective formative assessment?
- How could you design and implement a balanced assessment system that includes pre- and post assessments for learning?

**Resources**

Rick Stiggins, founder and director of the Assessment Training Institute, provides resources on the practice of assessment at http://www.assessmentinst.com/author/rick-stiggins/.

Margaret Heritage’s books Formative Assessment for Literacy and Academic Language (2008, coauthored with Alison Bailey) and Formative Assessment: Making It Happen in the Classroom (2010) provide resources and practices. These books are available through bookstores.

ASCD has publications on assessment at http://www.ascd.org/SearchResults.aspx?s=assessment&c=1&n=10&p=0.

The National Middle Schools Association provides assessment information through a search for “assessment” at http://www.nmsa.org/.

Boston (2002) recommends the following resources for assessment:

- Improving Classroom Assessment: A Toolkit for Professional Developers
  http://educationnorthwest.org/resource/700
- Classroom Assessment and the National Science Education Standards
  http://www.nap.edu/catalog/9847.html
References


Guiding Principle 4: Learning is a collaborative responsibility.

Teaching and learning are both collaborative processes. Collaboration benefits teaching and learning when it occurs on several levels: when students, teachers, family members, and the community collectively prioritize education and engage in activities that support local schools, educators, and students; when educators collaborate with their colleagues to support innovative classroom practices and set high expectations for themselves and their students; and when students are given opportunities to work together toward academic goals in ways that enhance learning.

Research Summary
Collaborative learning is an approach to teaching and learning that requires learners to work together to deliberate, discuss, and create meaning. Smith and MacGregor (1992) define the term as follows:

“Collaborative learning” is an umbrella term for a variety of educational approaches involving joint intellectual effort by students, or students and teachers together. Usually, students are working in groups of two or more, mutually searching for understanding, solutions, or meanings, or creating a product. Collaborative learning activities vary widely, but most center on students’ exploration or application of the course material, not simply the teacher’s presentation or explication of it. (p. 1)

Collaborative learning has been practiced and studied since the early 1900s. The principles are based on the theories of John Dewey (2009), Lev Vygotsky (1980), and Benjamin Bloom (1956). Their collective work focusing on how students learn has led educators to develop more student-focused learning environments that put students at the center of instruction. Vygotsky specifically stated that learning is a social act and must not be done in isolation. This principle is the foundation of collaborative learning.

The research of Vygotsky (1980) and Jerome Bruner (1985) indicates that collaborative learning environments are one of the necessities for learning. Slavin’s (1989) research also suggests that students and teachers learn more, are more engaged, and feel like they get more out of their classes when working in a collaborative environment. Totten, Sills, Digby, and Russ (1991) found that those involved in collaborative learning understand content at deeper levels and have higher rates of achievement and retention than learners who work alone. They suggest that collaborative learning gives students opportunities to internalize their learning.

A meta-analysis from the Cooperative Learning Center at the University of Minnesota concluded that having students work collaboratively has significantly more impact on learning than having students work alone (Johnson, Maruyama, Johnson, Nelson, & Skon, 1981). An analysis of 122 studies on cooperative learning revealed:

- More students learn more material when they work together—talking through the material with each other and making sure that all group members understand—than when students compete with one another or work alone individually.
- More students are motivated to learn the material when they work together than when students compete or work alone individually (and the motivation tends to be more intrinsic).
- Students have more positive attitudes when they work together than when they compete or work alone individually.
- Students are more positive about the subject being studied, the teacher, and themselves as learners in that class and are more accepting of each other (male or female, handicapped or not, bright or struggling, or from different ethnic backgrounds) when they work together.

Collaboration can be between teachers, between students, and between teacher and student.

Teacher-Teacher Collaboration
It is critical for teachers to have the time to collaborate. Professional learning communities, which provide teachers with established time to collaborate with other teachers, have become a more common practice in recent years. Louis and Kruse (1995) conducted a case study
analysis that highlighted some of the positive outcomes associated with professional learning communities, including a reduction in teacher isolation, increases in teacher commitment and sense of shared responsibility, and a better understanding of effective instructional practices. Professional learning communities encourage collaborative problem solving and allow teachers to gain new strategies and skills to improve and energize their teaching and classrooms.

Another example of teacher-to-teacher collaboration is lesson study. This professional development process began in Japan. Lesson study is a collaborative approach to designing and studying classroom lessons and practice. The most critical components of lesson study are observation of the lesson, collection of data about teaching and learning, and a collaborative analysis of the data to further impact instruction (Lewis, 2002; Lewis & Tsuchida, 1998; Wang-Iverson & Yoshida, 2005). Some of these characteristics are similar to other forms of professional development—analyzing student work, cognitive coaching, and action research, to name a few—but the fact that it focuses on teachers observing a live lesson that was collaboratively developed is different than any other form of professional development. Lesson study is a way for teachers to work together, collect data, and analyze data to reflect on teaching and learning (Lewis, 2002).

Student-Student Collaboration
Collaborative learning not only allows students to engage deeply with content but also helps students build the interpersonal skills needed to be successful in college and careers. Johnson, Johnson, and Holubec (1993) state that collaborative learning provides students with the opportunity to develop social skills. They found that many of the outcomes expected as part of a collaborative learning activity corresponded with goals for student content understanding and skill attainment. The strategies associated with collaborative learning—such as role assignments, collaborative problem solving, and task and group processing—all build the social skills that students need to be successful when working with others. Additionally, these skills are important in preparing students for the world of work, where collaborative writing and problem-solving are key elements of many careers. There is a plethora of instructional and learning strategies that encourage student collaboration, including peer teaching, peer learning, reciprocal learning, team learning, study circles, study groups, and work groups, to name just a few (Johnson & Johnson, 1986). Collaborative inquiry, which combines many of the elements of student collaboration just mentioned, is a research-based strategy in which learners work together through various phases “of planning, reflection, and action as they explore an issue or question of importance to the group” (Goodnough, 2005 88). Collaborative inquiry brings together many perspectives to solve a problem, engaging students in relevant learning around an authentic question. It allows students to work together toward a common purpose to explore, make meaning, and understand the world around them (Lee & Smagorinsky, 2000).

Teacher-Student Collaboration
The purpose for collaboration in an educational setting is to learn and unpack content together to develop a shared understanding. Harding-Smith (1993) points out that collaborative learning approaches are based on the idea that learning must be a social act. It is through interaction that learning occurs. Johnson and Johnson (1986) similarly emphasize that when students and teachers talk and listen to each other, they gain a deeper understanding of the content and can develop the skills necessary to negotiate meaning throughout their lives.

Collaboration requires a shift from teacher-led instruction to instruction and learning that is designed by both teachers and students. Collaboration between student and teacher plays a critical role in helping students reflect and engage in their own learning experiences. The constructivist learning movement is one current example of efforts to increase the amount of collaboration between student and teacher occurring in the classroom. Mayer (2004) defines constructivist learning as an “active process in which learners are active sense makers who seek to build coherent and organized knowledge” (p. 14). Students co-construct their learning, with the teacher serving as a guide or facilitator. The teacher does not function in a purely didactic (i.e., lecturing) role. Neo and Neo (2009) found that constructivism helps students develop problem-solving skills, critical thinking, and creative skills and apply them in meaningful ways.

Probing Questions
- How can you use collaborative learning processes to engage students in their learning?
- How might you create space for teacher-teacher collaboration within your context?
Resources

All Things PLC website provides a number of resources on professional learning communities. Links to these resources can be found at http://www.allthingsplc.info/.

The Wisconsin Center for Education Research hosts a website with many resources for collaborative and small group learning. It can be found at http://www.wcer.wisc.edu/archive/cl1/cl/..

The Texas Collaborative for Teaching Excellence has created a professional development module about collaborative learning, which provides readings, research, and resources. It can be found at http://www.texascollaborative.org/Collaborative_Learning_Module.htm.

A review of research on professional learning communities, presented at the National School Reform Faculty research forum in 2006, contains findings that outline what is known about professional learning communities and how they should be structured. This paper is available at http://www.nsrfharmony.org/research.vescio_ross_adams.pdf.

References


Guiding Principle 5: Students bring strengths and experiences to learning.

Every student learns. Although no two students come to school with the same culture, learning strengths, background knowledge, or experiences, and no two students learn in exactly the same way, every student’s unique personal history enriches classrooms, schools, and the community. This diversity is our greatest education asset.

Research Summary

The authors of the groundbreaking work *How People Learn: Brain, Mind, Experience, and School* (Bransford, Brown, & Cocking, 2000) found that students’ preconceptions may clash with new concepts and information they learn in school. If those preconceptions are not addressed, students may fail to grasp what is being taught or may learn only to pass a test. In other words, a student might enter kindergarten believing the world is flat because he or she has seen a flat map. Despite the presentation of geographic names and principles, the student still maintains the fundamental preconception about the shape of the world. Developing competence—or in this case, a knowledge of the shape of the world—requires that students have a deep foundation of factual knowledge, a context or conceptual framework to place it in, and the opportunity to explore how it connects to the real world. Ultimately, a metacognitive approach—one that pushes students to think about their own thought processes—can help them take control of their own learning.

As educational research on how people learn advances, so does our approach to teaching and learning. Strategies to advance teaching and learning are constantly evolving into new and innovative ways to reach learners. When a teacher uses students’ interests, curiosity, and areas of confidence as starting points in planning instruction, learning is more productive. Teachers who are cognizant of these issues—and reflect on how to use them as strengths upon which they can build—ensure that all students have access to the content. Areas to consider are student strengths, gender, background knowledge, and connections to the home environment.

Building on Student Strengths

Teaching to students’ strengths can improve student engagement (Sternberg, 2000, Sternberg & Grigorenko, 2000). Many students have strengths that are unrecognized and neglected in traditional schooling. Students in underrepresented minority groups have culturally relevant knowledge that teachers can use to promote learning. Sternberg et al. (2000) found that conventional instruction in school systematically discriminates against students with creative and practical strengths and tends to favor students with strong memory and analytical abilities. This research, combined with Sternberg’s earlier (1988) research showing that teaching for diverse styles of learning produces superior results, suggests that capitalizing on the various strengths that all students bring to the classroom can positively affect students’ learning. When students are taught in a way that fits how they think, they do better in school (Sternberg, 2000; Sternberg & Grigorenko, 2000). Sternberg and O’Hara (2000) found that when students were taught in a way that incorporated analytical thinking, creative thinking (creating, imagining, and inventing) and practical thinking (applying, implementing, and putting into practice)—students achieved at higher levels than when taught using conventional instructional methods.

Gender Considerations

Changing instruction might help alleviate the gender gap in literacy achievement. Research conducted by Sax (2005) reveals that boys fall behind girls in reading and writing early on and never catch up. Sax (2007) found that this dynamic plays a role in higher high school dropout rates for males, particularly black males. The college graduation rate for females approaches twice that of males in Hispanic and black populations. Many classrooms are a better fit for the verbal-emotive, sit-still, take-notes, listen-carefully, multitasking girl (Sax, 2005). The characteristics that boys bring to learning—impulsivity, single-task focus, spatial-kinesthetic learning, and physical aggression—often are viewed as problems.
Researchers such as Blum (1997) have identified more than 100 structural differences between the male and female brains. Altering strategies to accommodate more typically male assets—for example, the use of multimodal teaching (discussed on pages 10-11 of this report); the use of various display formats, such as printed material, videos, presentations, and computers; and an interactive learning environment to appeal to different learning styles—can help bridge the gap between what students are thinking and what they are able to put down on paper. Sadik’s (2008) research suggests that using multimodal instructional strategies like digital storytelling—allowing students to incorporate digital cameras, creative and editing tools, computers, and other technology to design multimedia presentations—deepens students’ learning.

Background Knowledge

Bransford et al. (2000) note in How People Learn, learning depends on how prior knowledge is incorporated into building new knowledge, and thus teachers must take into account students’ prior knowledge. Jensen’s (2008) research on the brain and learning demonstrates that expertise cannot be developed merely through exposure to information. Students must connect the information to their prior knowledge to internalize and deepen their understanding. Teachers can connect academic learning with real-life experiences. Service learning, project-based learning, school-based enterprises, and student leadership courses are some examples of how schools are trying to make the curriculum relevant. The key to making the curriculum relevant is asking the students to help connect the academics to their lives; this approach gets students actively engaged in their learning, which builds a stronger connection and commitment to school. Bell (2010) suggests that strategies such as project-based approaches to learning can help ensure that content and skills are taught together and connected to prior knowledge, which helps students understand how to develop and apply new skills in various contexts.

Connections to the Home Environment

Cochran-Smith (2004) emphasizes family histories, traditions, and stories as an important part of education. Often, children enter school and find themselves in a place that does not recognize or value the knowledge or experience they bring from their homes or communities. This situation can create a feeling of disconnect for students—a dissonance obliging them to live in and navigate between two different worlds, each preventing them from full participation or success in the other. Districts and schools can alleviate this dissonance by valuing and taking advantage of the unique experiences that each student brings to the classroom. Emphasizing connections to parents and community, recognizing and utilizing student strengths and experiences, and incorporating varied opportunities within the curriculum can help alleviate this dissonance.

Ferguson (2001) points out that it is particularly important to establish connections that not only bring the parents into the school environment but also encourage school understanding and participation within the community. Social distinctions often grow out of differences in attitudes, values, behaviors, and family and community practices (Ferguson, 2001). Students need to feel their unique knowledge and experience is valued by the school, and parents and community members need to feel they are respected and welcome within the school.

Although much attention has been paid to No Child Left Behind (NCLB) requirements for annual achievement tests and high-quality teachers, the law also includes important requirements for schools, districts, and states to organize programs of parental involvement and to communicate with parents and the public about student achievement and the quality of schools. Epstein (2005) offers perspectives on the NCLB requirements for family involvement; provides a few examples from the field; suggests modifications that are needed in the law; and encourages sociologists of education to take new directions in research on school, family, and community partnerships.

Probing Questions

• What are some ways that you currently use students’ background knowledge to inform instruction?
• Does your experience teaching boys to read and write concur with the research? What ideas do you have to address the achievement gaps related to gender?
• What are ways you can uncover, acknowledge, and use students’ backgrounds and strengths to enhance learning?
• What are some strategies for valuing and taking advantage of the unique experiences that each student brings to the classroom?
Resources

A good resource still valid today is Making Assessment Work for Everyone: How to Build on Student Strengths. See the SEDL website to download this resource: http://www.sedl.org/pubs/tl05/.

A short, easy-to-digest article from Carnegie Mellon University is titled Theory and Research-Based Principles of Learning. The article and full bibliography are at http://www.cmu.edu/teaching/principles/learning.html.

References


Guiding Principle 6: Responsive environments engage learners.

Meaningful learning happens in environments where creativity, awareness, inquiry, and critical thinking are part of instruction. Responsive learning environments adapt to the individual needs of each student and encourage learning by promoting collaboration rather than isolation of learners. Learning environments, whether classrooms, schools, or other systems, should be structured to promote engaged teaching and learning.

Research Summary
To be effective for all students, classroom learning environments must be responsive to a broad range of needs among a diverse student population. These diverse needs include cultural and linguistic differences as well as developmental levels, academic readiness, and learning styles. A responsive learning environment engages all students by providing a respectful climate where instruction and curriculum are designed to respond to the backgrounds and needs of every student.

Culturally Responsive Teaching
Research on culturally responsive teaching emphasizes the importance of teachers' understanding the cultural characteristics and contributions of various ethnic groups (Smith, 1998) and showing respect toward these students and their culture (Ladson-Billings, 1995; Pewewardy & Cahape, 2003). Culturally responsive teaching is defined by Gay (2002) as "using the cultural characteristics, experiences, and perspectives of ethnically diverse students as conduits for teaching them more effectively" (p. 106).

Research on culturally responsive teaching has found that students both are more engaged in learning and learn more effectively when the knowledge and skills taught are presented within a context of their experience and cultural frames of references (Au & Kawakami, 1994; Gay, 2000; Ladson-Billings, 1995). Areas considered part of creating a culturally responsive learning environments are (1) understanding the cultural lifestyles of their students, such as which ethnic groups give priority to communal living and problem solving; (2) knowing differences in the modes of interaction between children and adults in different ethnic groups; and (3) becoming aware of cultural implications of gender role socialization among different groups (Banks & Banks, 2001). To provide a culturally responsive learning environment teachers need to:

- Communicate high expectations for all students (Gay, 2000; Hollins & Oliver, 1999; Ladson-Billings, 1994, Nieto, 1999).
- Use active teaching methods and act as learning facilitators (Banks & Banks, 2001; Gay, 2000).
- Maintain positive perspectives on families of diverse students (Delgado-Gaitin & Trueba, 1991).
- Gain knowledge of cultures of the students in their classrooms (Banks & Banks, 2001; Nieto, 1999).
- Reshape the curriculum to include culturally diverse topics (Banks & Banks, 2001; Gay, 2000; Hilliard, 1991).
- Use culturally sensitive instruction that includes student-controlled discussion and small-group work (Banks & Banks, 2001; Nieto, 1999).

Further research asserts that culturally responsive teachers help students understand that knowledge is not absolute and neutral but has moral and political elements. This knowledge can help students from diverse groups view learning as empowering (Ladson-Billings, 1995; Tharp & Gallimore, 1988).

Strategies for designing curriculum and instruction for culturally diverse students are similar to the strategies for differentiating curriculum and instruction. In fact, Mulroy and Eddinger (2003) point out that the research on differentiation emerged, in part, because of the demand on schools to serve an increasingly diverse student population. Heacox (2002) asserts that classrooms are diverse in cognitive abilities, learning styles, socioeconomic factors, readiness, learning pace, and gender and cultural influences.
Differentiation

Research on differentiation includes meeting the learning needs of all students through modifying instruction and curriculum to consider developmental level, academic readiness, and socioeconomic backgrounds, as well as cultural and linguistic differences. Tomlinson (2005) defines differentiated instruction as a philosophy of teaching based on the premise that students learn best when their teachers accommodate the difference in their readiness levels, interests, and learning profiles. In a differentiated learning environment, each student is valued for his or her unique strengths while being offered opportunities to learn and demonstrate learning through a variety of strategies (Mulroy & Eddinger, 2003). Hall (2002) states, “To differentiate instruction is to recognize students’ varying backgrounds, readiness, language, learning preferences, and interests and to react responsively” (p. 1).

According to Tomlinson (2005), who has written extensively on differentiation, three elements guide differentiated instruction: content, process, and product. Content means that all students are given access to the same content but are allowed to master it in different ways. Process refers to the ways in which the content is taught. Product refers to how students demonstrate understanding. Corley (2005) provides three questions that drive differentiation: (1) What do you want the student to know? (2) How can each student best learn this? and (3) How can each student most effectively demonstrate learning? Maker (1986) offers a framework through which differentiation can occur in the classroom:

- Create an encouraging and engaging learning environment through student-centered activities, encouraging independent learning, accepting student contributions, using a rich variety of resources, and providing mobility and flexibility in grouping.
- Modify the content according to abstractness and complexity. Provide a variety of content and particularly content focused on people.
- Modify the learning process through use of inquiry, higher-order thinking activities, group interactions, variable pacing, creativity and student risk-taking, and freedom of choice in learning activities.
- Modify the product through facilitating different ways for students to demonstrate learning, such as the use of authentic assessments.

In addition, researchers have found that the use of flexible grouping and tiered instruction for differentiation increases student achievement (Corley, 2005; Tomlinson & Eidson, 2003). Heacox (2002) describes differentiation as follows:

The focus is not on the adjustment of the students, but rather the adjustment of teaching and instructional strategies making it about learning, not teaching. The teacher is the facilitator who...puts students at the center of teaching and learning and lets his or her students’ learning needs direct instructional planning (p. 1).

Several studies conducted in elementary and middle school classroom have found that student achievement is increased in differentiated classrooms (Connor, Morrison, & Katch 2004; McAdamis, 2001). Tomlinson and Eidson (2003) emphasize the need to include the components of student readiness, student interest, and student learning profile in differentiating instruction. Students’ interests and learning profiles are often tied to their learning styles.

Learning Styles

The body of research on learning styles has coalesced around the work of Howard Gardner, who introduced the theory of multiple intelligences in 1983. Gardner’s work suggests that the concept of a pure intelligence that can be measured by a single I.Q. score is flawed, and he has identified nine intelligences that people possess to various degrees. His theory asserts that a person’s type of intelligence determines how he or she learns best (Gardner, 1999).

Learning style refers to how a student learns, and the concept takes into account cultural background and social and economic factors as well as multiple intelligences. Beishuizen and Stoutjesdijk (1999) define learning style as a consistent mode of acquiring knowledge through study, or experience. Research has shown that the quality of learning at all levels of education (primary, secondary, and higher education) is enhanced when instruction and curriculum take into account individual learning styles (Dunn, Griggs, Olsen, Beasley & Gorman, 1995). Another study found that student learning improved when the learning environment was modified to allow students to construct personally relevant knowledge and to engage in the materials at different levels and from different points of view (Dearing, 1997).
A responsive classroom environment considers the individual learning needs of all students. These learning needs include a variety of factors that influence how students learn: culture, language, developmental level, readiness, social and economic background, and learning style.

Creativity
Creativity is an essential component for creating an engaging and accessible classroom environment. The Wisconsin Task Force on Arts and Creativity in Education (2009) defines creativity as a process that combines “imagination, creativity, and innovation to produce something novel that has value” (p. 14). Sir Ken Robinson (2011) and Daniel Pink (2006) both support the need for schools to focus on creating classroom that foster this type of creativity in students. According to Robinson (2011), classrooms that foster creativity and allow students to question assumptions, look at content through various lenses, and create new understandings can help students be more successful in postsecondary education and the workplace.

Probing Questions
• Describe two or three ways you might differentiate the instruction in your classroom. How might you share this with a new teacher?
• How might you implement a simple strategy for assessing your students’ learning styles?

Resources
ASCD offers a number of resources on differentiated instruction, including work by Carol Ann Tomlinson, at http://www.ascd.org.

For resources on culturally responsive teaching, the Center for Culturally Responsive Teaching and Learning can be accessed at http://www.culturallyresponsive.org/.

The website of the National Center for Culturally Responsive Education Systems (NCCRESt) can be accessed at http://www.nccrest.org.

For learning styles and resources on multiple intelligences, Thomas Armstrong hosts a website with information on Gardner’s Theory of Multiple Intelligences and related teaching resources at http://www.thomasarmstrong.com/multiple_intelligences.php.

Creativity: Its Place in Education is a report that offers suggestions for creative classrooms and teaching. This report can be found at http://www.jpb.com/creative/Creativity_in_Education.pdf.

The report of the Wisconsin Task Force on Arts and Creativity in Education offers recommendations for policy and practice. This report can be found at ftp://doaftp04.doa.state.wi.us/doadocs/taskforce_report_final2009pdf.

References


