



Hello Science Education Leaders,

Here are the latest science education resources and opportunities I've heard about. If you have announcements to share about science or STEM-related professional learning and resources, please send them my way for the next edition. A record of these emails can be found on my website: dpi.wi.gov/science/social-media.

Cheers,
Kevin

Learning Opportunities

- [Computer Science Summit](#) - May 2nd
- [WSST Instructional Materials Forums](#) - May 3, 10, 16
- [Engaging Math and Science Students in Engineering](#) - Oregon, June 25-29
- [Summer Environmental Education Workshops](#) – several through WCEE
- [Educator Workshop on Teaching Climate Science](#) - Aug 10

Resources

- [Quality Examples of Science Lessons and Units from Achieve](#)
 - [New Elementary Science Units from WI Educators](#)
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Details

Learning Opportunities

- Computer Science Summit - May 2nd

<http://www.wismath.org/event-2782488> - This 3rd annual Wisconsin Computer Science Educators Summit takes place on the Wednesday beginning the annual Wisconsin Mathematics Council conference in Green Lake. Only \$50/person.

- WSST Instructional Materials Forums - May 3, 10, 16

<http://bit.ly/2F2nl8U> - Led by Kevin Anderson from DPI, WSST Leaders, and other science experts across the state, these instructional materials forums will provide learning and networking space for all educators involved in reviewing and selecting instructional materials

for science. The day will include opportunities for districts to share where they are at in the process of instructional materials selection and what they are looking for. The NGSS/WSS philosophies will be reviewed and tools will be provided for evaluating instructional materials. We'll also discuss how to adapt materials to better align to the NGSS/WSS, as no resource is perfect. It's free for WSST members (or \$25 for nonmembers, which is the cost of a membership). The Apr 26 session near Milwaukee is full, but there is still space May 3 at CESA 9, May 10 at UW-Stout, and and May 16 at UW-Baraboo Sauk County.

- Engaging Math and Science Students in Engineering - Oregon, June 25-29

<https://bit.ly/2HaFc7z>- This weeklong summer institute for middle and high school science and math teachers will take place in the Oregon High School STEAM Center, from June 25-29. This institute was developed by a national committee through the Knowles Teacher Initiative. Year-long follow up coaching and support is also included. A major goal is to support teachers in integrating the engineering portion of the NGSS/WSS. The attached flyer has more information about the course objectives and how to register.

- Summer Environmental Education Workshops – several through WCEE

<https://www.uwsp.edu/cnr-ap/wcee/Pages/Summer-Workshops-2018.aspx> - This summer series of one-day workshops offered by the Wisconsin Center for Environmental Education allows participants to select from a suite of offerings. Workshops run from 9:00 am - 4:30 pm (certificates provided for 7 hours of professional development). Titles include:

- *Broaden Your Reach Through Birds
- *Working Toward a “Three Dimensional” Approach to K-8 Science Learning
- *Introduction to Forestry Education for the K-12 Classroom
- *Disconnect to Reconnect – Building Your Wellness and Wonder through Nature
- *Energy Curriculum for Real-world STEM Education
- *Energize Your Curriculum with Renewable Energy
- *Connect, Explore, Engage: Linking the New Environmental Literacy and Sustainability Standards to Your Current Practice

The cost is \$75 per workshop. University credit is available through UW-Stevens Point for those who attend two workshops. Tuition scholarships available.

- Educator Workshop on Teaching Climate Science - Aug 10

<https://bit.ly/2vv6LD6> - This workshop will introduce teachers and other environmental educators to the basics of climate science and provide classroom-ready materials and information usable both with students and as outreach activities in the community. Recent research and data based information on the nature of our changing climate will be presented. The primary presenters are Bruce Smith, University of Wisconsin Colleges Instructor and AMS Atmospheric Education Resource Agent, Dr. Steve Vavrus of the Nelson Institute Center for Climatic Research at UW-Madison, and Brack Gillespie, Atmospheric Education Agent for the American Meteorological Society and a teacher at Ashwaubenon High School. Time will be provided for workshop participants to discuss the topics introduced and to share lessons. For additional information or inquiries contact Bruce Smith (bsmith733@gmail.com).

Resources

- Quality Examples of Science Lessons and Units from Achieve

<https://nextgenscience.org/resources/examples-quality-ngss-design> - In an effort to identify and shine a spotlight on emerging examples of high quality lessons and units designed for the NGSS, Achieve launched the EQUiP Peer Review Panel for Science (PRP). On this page are a few examples of units, though you'll have to open them to determine whether they've been ranked "high quality" or "a work in progress." Each lesson or unit is available to download and use in classrooms - for those noted as in progress it's especially valuable to see the EQUiP feedback to see what needs to be improved.

- New Elementary Science Units from WI Educators

<https://dpi.wi.gov/science/elementary/lessons> - there are two new units available from the DPI Elementary Science Committee. Ryan King developed a 3rd grade unit on animal adaptations that links to literacy standards and includes examples of student work. Alice Severson and Emily Miller created a 3rd grade unit on how characteristics of animals help them reproduce and survive - it was sponsored by NSTA and includes classroom video clips. We'd welcome more examples if you'd like to share!

- Academic and Career Planning (ACP) Monthly Updates

https://drive.google.com/drive/folders/1iu4JCZ00hF_5qgzJOKDY6MXAh_SnyvK2 - Robin Kroyer-Kubicek is putting out monthly updates on ACP. This folder contains those updates for your reference. To receive these updates directly you can sign up at <https://dpi.wi.gov/acp/subscribe-acp-updates>

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“Science is not a body of facts, [it] is a method for deciding whether what we choose to believe has a basis in the laws of nature or not.” – Marcia McNutt

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