



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.

As always, drop me an email and let me know if I can help you out with resources, instructional materials, or professional learning.

I hope to see you in a few weeks at the WSST Annual Conference. Please, come introduce yourself to me!

Cheers,
Kevin

Learning Opportunities

- [2020 WSST Annual Conference](#) - Wisconsin Dells, Mar 19-21
- [Inquiry in Social Studies and Science](#) - Webinar on Mar 3
- [What does NGSS/WSS look like in action?](#) Workshop digging into OpenSciEd - Green Bay, Mar 10 and Apr 14.
- [WSST Institute for Next Generation Science](#) - tentative July 26-29
- [Great Lakes Summer Research Opportunity](#) - apply by Feb 28
- [BTC Institute Summer Biotech Learning for Teachers](#)
- [Supporting Students in Authentic Research](#) - summer workshop at your site
- [ASM Materials Science Institute in Milwaukee](#) - June 22-26

Resources

- [WSELA](#) - Feb 12 notes from elementary summit
- [TI Science and STEM Resources](#)

Student Opportunities

- [National Youth Science Camp](#) - Amazing summer opportunity for current seniors!
 - [Wisconsin Science Olympiad](#)
-

Details

Learning Opportunities

- 2020 WSST Annual Conference - Wisconsin Dells, Mar 19-21

<https://www.wsst.org/conference-2020> - I'm looking forward to this excellent annual science teaching conference. There's always something for everyone. For example, I'm supporting an elementary strand on Thursday, Mar 19th - elementary-focused sessions all day!

- Inquiry in Social Studies and Science - Webinar on Mar 3

<https://widpi.zoom.us/j/100715378> <- link to join the webinar on Mar 3, from 3:45 to 4:45 - Kris McDaniel (DPI Social Studies) and I are supporting four webinars this winter/spring on parallels between instruction in social studies and science, particularly to support grade K-8 teachers. This webinar will have a theme of evidence-based writing strategies that work across both subjects and will feature examples and facilitation by current classroom teachers. The following webinar will be Apr 9. No registration required.

- What does NGSS/WSS look like in action? Workshop digging into OpenSciEd - Green Bay, Mar 10 and Apr 14.

<https://einsteinproject.z2systems.com/np/clients/einsteinproject/eventRegistration.jsp?event=9&> - In this two day workshop hosted by the Einstein Project in Green Bay (Mar 10 and Apr 14), Kevin Anderson will facilitate educators' deep dive into an NGSS/WSS unit from the [OpenSciEd](#) project. We'll dig into how phenomena, storylines, and assessment work across a unit. While the unit will be at the 6th grade level, it will be readily relevant from grades 3-10.

- WSST Institute for Next Generation Science - tentative July 26-29

Mark your calendars for the next iteration of WSST's popular Science Futures and Science World programs. The WSST Institute for Next Generation Science (WINGS) is tentatively scheduled for July 26-29 (evening of 26th to lunch of the 29th). We'll be doing a deep dive into NGSS instructional practices - learning from experts from across the state. Registration details to come, though costs will be low, likely \$75/person will cover all meals and lodging. We'll be hoping to include a range of K-12 educators with a range of experience. Stay tuned for more details!

- Great Lake Summer Research Opportunity - apply by Feb 28

<https://www.cgll.org/opportunities/> - Sail on an EPA research vessel from July 6-12 on Lake Michigan, connecting with other educators in the region and scientists. All expenses are paid, except you getting to the port in Milwaukee (though you also get a stipend that would cover it). I've heard the food is great!

- BTC Institute Summer Biotech Learning for Teachers

<https://www.btc.org/k-12-programs/programs-for-teachers/> - Looking to incorporate more biotechnology into your curriculum? The BTC Institute in Madison is offering 3 summer courses to help you reach that goal. Biotechnology: The Basics (July 20-24, 2020) and

Biotechnology: Beyond the Basics (July 27-31, 2020) will be offered again this year – find out why one 2019 participant wrote: *“I want to come back next year for the second ‘round’ and bring a friend. Seriously, the best PD I have ever been part of.”* New this year will be Biotechnology: Genetic Identity (June 29-July 1, 2020). All courses are offer teacher stipends and optional graduate education credit.

- Supporting Students in Authentic Research - summer workshop at your site

Regeneron and the Intel Science and Engineering Fair are providing funding to have Michael Bluegrass come to your high school to provide a week-long workshop this summer on engaging students in authentic research (so it will be free to your school). It is especially designed for those who have had students engaged in science fairs or hope to have students engaged in science fairs. Contact Michael Bluegrass for more information about the Advancing Science Research Teaching Program: stemresearchconsulting@gmail.com

- ASM Materials Science Institute in Milwaukee - June 22-26

asmfoundation.org/who-we-impact/teachers/camp-calendar-application/ - ASM Materials Education Foundation is sponsoring a free STEM workshop (\$1200 value) for Science, STEM, industrial/career, and technical education teachers at Wisconsin Lutheran HS in Milwaukee on June 22-26. It introduces teachers to tools for engaging students in science and engineering practices of NGSS through real-world application and hands-on activities. The workshop will include: content focused on materials science and engineering, cost-effective hands-on activities addressing variety of concepts, field trips showing applications of engineering practices, information on career opportunities in science and engineering, and optional graduation credits.

Resources

- WSELA - Feb 12 notes from elementary summit

[Notes from the day](#) - Our Wisconsin Science Education Leadership Association meeting on Feb 12th focused on elementary science. We discussed instructional practices, materials, standards-based grading, schedules, and professional learning, among other things.

- TI Science and STEM Resources

Do you already have sets of TI calculators to use? TI has created several science and STEM project resources that are data analysis focused and use these calculators. [Science](#): <https://education.ti.com/en/resources/science>, [STEM](#): <https://education.ti.com/en/resources/stem>, [Coding](#): <https://education.ti.com/en/activities/ti-codes>. They also have some STEM materials that can be borrowed at no cost for your courses, summer camps, or after-school programs - contact Michelle Grooms, mgrooms@ti.com.

Student Opportunities

- National Youth Science Camp - Amazing summer opportunity for current seniors!

<http://apply.nyscamp.org> - This 3.5 week experience in the West Virginia Appalachian Mtns can jump start a students' science pathway. It's for graduating seniors. Two Wisconsin candidates

will attend at no cost. Applications are due very soon - Feb 28. Website for more info - www.nyscamp.org.

- Wisconsin Science Olympiad

<https://www.wisconsinso.org/resources> - Wisconsin Science Olympiad is a great way to engage middle and high school students in meaningful science and engineering projects. Student teams compete in up to 20 different categories across science and engineering disciplines. If you're not familiar with the program, check out the state tournament at UW-Milwaukee on Apr 17-18.

Kevin J. B. Anderson, PhD, NBCT
Wisconsin Department of Public Instruction
Science Education Consultant
dpi.wi.gov/science
kevin.anderson@dpi.wi.gov
(608) 266-3319
@wisDPIscience

“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

[Unsubscribe](#)