



Hello Science Education Leaders,

It was wonderful to see many of you at the WSST conference earlier this month! Three years is much too long to go without connecting in person. If you were not able to join us (sub issues, COVID concerns, etc.), I hope you will be able to make it to future WSST conferences and events. Here's a [link to the conference schedule](#) with various presentation links for reference.

Below are a few science/STEM education resources I've heard about lately. If you have announcements to share along these lines, please send them my way for the next edition. A record of these "Science Digest" emails can be found on my website: [dpi.wi.gov/science/social-media](http://dpi.wi.gov/science/social-media).

Cheers,  
Kevin

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### Learning Opportunities

- [Wisconsin Institute for Next Generation Science \(WINGS\)](#) - July 17-21
- [Inquiry in Science & Social Studies Workshop @ CESA 1](#) - Jun 24 & Aug 15
- [Teach Quantum Summer Research Experience in Physics](#)
- [Summer Materials Science Institute in Milwaukee](#) - June 13-17

### Resources

- [DPI OER Innovation Grants](#) - \$10k - due June 17
- [Wisconsin's Greenfire](#) - educator support w/ environmental issues
- [New Wisconsin Based Data Nugget!](#)

### Student Opportunities

- ["The Wonders of Physics"](#) Demonstration Video Contest - due June 30th

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### Details

### Learning Opportunities

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- Wisconsin Institute for Next Generation Science (WINGS) - July 17-21

<https://www.wsst.org/wing-2020> - Are you looking for a science teaching recharge? This retreat for science educators will include learning, networking, and relaxing around a fire in the evening. It will take place at the beautiful Conserve School near Land O' Lakes. There is a small registration fee, which will be returned afterward as funding for classroom projects. [Applications](#) are hoped for by this Friday, April 22nd. You can email me any questions.

- Inquiry in Science & Social Studies Workshop - CESA 1 - Jun 24 & Aug 15

<https://drive.google.com/file/d/1ciBNoToWUEDqGUukujrXJW7wyHzNtqxO/view> - This CESA 1 workshop series will be facilitated by me (Kevin Anderson). It will be appropriate for K-12 educators and coaches, though people at the K-2 end will arguably have a little less nuanced support. We'll dig into actual lesson examples, talk about principles of student-centeredness, and discuss strategies to modify current lessons to make them more inquiry-based. A focus will be on using practices to investigate phenomena in science and specific events, artifacts, and phenomena in social studies.

- Teach Quantum Summer Research Experience in Quantum Physics

<https://hqan.illinois.edu/education-and-workforce/TeachQuantum> - high school teachers can participate in this six week summer program and receive a \$4500 stipend, plus \$500 for activity implementation. It will be in-person plus a quarterly virtual meeting throughout the school year to share outcomes and best practices among a growing community of practice. Contact [mallory.conlon@wisc.edu](mailto:mallory.conlon@wisc.edu) with questions.

- Summer Materials Science Institute in Milwaukee - June 13-17

<https://www.asmfoundation.org/teachers/camp-schedule/> - This summer learning experience on authentic engineering and materials science is free and first come, first served with registration. It is geared toward 6-12th grade teachers, with strong connections to NGSS/WSS and hands-on activity ideas you can take with you. With industry professionals supporting it, there is also a strong career connection.

## Resources

- DPI OER Innovation Grants - up to \$10k - due June 17

<https://dpi.wi.gov/wislearn/oer-innovation-grants> - Apply now for the next round of innovation grants to create OER materials in science to be posted on the

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DPI [WISELearn](#) website. Receive up to \$10k for your district, multi-district, or CESA-based group to create awesome science resources. Perhaps you'd work on a new storyline for earth science, because there aren't many? Or, a module for reframing science lessons/units with an equity and culturally-responsive lens? Applications due by June 17 and announced in August.

- Wisconsin's Greenfire - educator support w/ environmental issues

<https://wigreenfire.org/> - Wisconsin Greenfire is a nonpartisan, independent, member-based organization that supports science-based management of Wisconsin's natural resources. Our members hold expertise in natural resource management, environmental law and policy, scientific research, and education, and are dedicated to connecting the public, legislators, and media to the best available science. They are available to help teachers with finding current accurate science information on natural resources issues in Wisconsin. We have developed specific ideas for analyzing data on CWD and wolf populations to help students investigate phenomena through these issues. We would like to work with educators to develop similar investigations using data for other relevant Wisconsin issues such as PFAS, nitrates in water, and climate change. Contact Karen Mesmer at [klmesmer@gmail.com](mailto:klmesmer@gmail.com) or Dolly Ledin at [daledin3@gmail.com](mailto:daledin3@gmail.com) if you are interested in working with a scientist.

- New Wisconsin Based Data Nugget!

<https://datanuggets.org/2022/03/salty-sediments/> - have you used data nuggets? They're real science story providing data and information about contemporary science research. There are student questions and activities around data to build up a claim-evidence-reasoning type explanation for what's going on. This new Nugget focuses on salt concentrations in the Milwaukee River. It was created and features work by WI scientist Lexi Plassante (nice work!).

## **Student Opportunities**

- "The Wonders of Physics" Demonstration Video Contest - due June 30th

<https://wonders.physics.wisc.edu/contest2022/> - Anyone from PK-16 can submit a "wonders of physics" video clip. It could be a class or individual and run from 2-3 minutes in length. Instructors and other educators are also welcome to submit their own video in the adult category. Students can use materials from around their home, or from their school science lab. The "The Wonders of Physics" program will acknowledge all submitted videos with a certificate. Awards will be given for the best demonstrations in the various categories. The best clips will be edited into an hour-long video to be shown worldwide. Video clips must be received by June 30, 2022.

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Kevin J. B. Anderson, PhD, NBCT  
Wisconsin Department of Public Instruction  
Science Education Consultant  
[dpi.wi.gov/science](http://dpi.wi.gov/science)  
[kevin.anderson@dpi.wi.gov](mailto: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