



Hello Science Education Leaders,

To start, a couple bright spots in science education news: the [White House announced this week](#) that Leigh Kohlmann, teacher at Rock River Intermediate School in Waupun, is the Wisconsin Awardee for the Presidential Award for Excellence in Mathematics and Science Teaching!

And, five amazing groups of middle schoolers were celebrated in January as the winners of the regional [Future City competition](#) that is supported by STEM Forward w/ top prize going to Glen Hills of Glendale.

Below are a few science education resources 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

- [WSELA - Feb 23](#) - last call for RSVPs (needed by morning of 2/11)
- [Virtual Book Study](#) - assessment and crosscutting concepts - Feb 21
- [WINGS](#) - free summer teaching institute to dig deep - July 17-21
- [WSST Conference](#) - Schedule now available - Apr 7-9
- [Paid Summer Research Experience for Teachers](#) at UW-Madison
- [Modeling Workshops \(AMTA\)](#) this summer in Door County – July 11-22
- [Virtual KEEP and LEAF learning](#) - solar dashboards and climate change - Feb 23

Resources

- [iPlan Community Planning Simulation](#) from UW-Madison
- [WIDA Course on Supporting English Learners in Science](#) - on-demand
- [HS Climate Science Workbook](#) from UW-Madison Science Literacy Group

Student Opportunities

- [Youth Dialogue on the National Climate Assessment](#) - Feb 15, 6pm
 - [Science Inquiry Projects](#) - ongoing
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Details

Learning Opportunities

- WSELA - Feb 23 - last call for RSVPs (needed by morning of 2/11)

Email me to RSVP if you'd like to join us on Feb 23rd, from 9 to 3, for the Wisconsin Science Education Leadership Association meeting. All are welcome! We'll be discussing the results of the state science survey, 3D assessment, the state science equity statement, and other requested topics (feel free to make a suggestion). We'll be meeting at the [Comfort Inn & Suites in DeForest](#), though I'll also send out a link to the WSELA listserv to join virtually. Breakfast and lunch will be available and free to all attendees. I need all RSVPs for in-person attendance by 11am tomorrow (Fri, 2/11).

- Virtual Book Study - assessment and crosscutting concepts - Feb 21

All are welcome to join the conversation on Feb 21 at 4pm! We'll be discussing what assessment could look like in relation to the crosscutting concepts with special guest [Aneesha Badrinarayan](#), who was a chapter author on the [NSTA CCC book](#) and is a national expert on effective NGSS assessment. Email me to get the Zoom link.

- WINGS 2022 - free summer teaching institute - July 17-21

bit.ly/WINGS2022 - Is it time for a recharge? Wisconsin's premiere professional development learning opportunity is coming once again! You can be a part of the Wisconsin Institute for Next Generation Science (WINGS) The WSST professional development committee is planning a transformational experience that will fuel your passion and capacity for delivering high quality science learning experiences for your students. The experience will be free and includes all meals, supported by WSST. WINGS 2022 is taking place July 17 - 21st, 2022 at the former Conserve School in Land O'Lakes, Wisconsin. More details, including the daily agenda, will be released soon on the WSST website. Applications are currently open but will close on April 12th. It'll give you wings!

- WSST Conference - Schedule now available - Apr 7-9

<https://www.wsst.org/conference-20222> - I'm looking forward to this conference in Wausau and seeing many of you again in-person! Here's [a link to the schedule](#). I'll be hiding behind a mask but will be wearing a bowtie in case you want to find me to say hello. Next year (2023) the conference will be in Madison, and that committee is still looking for some essential volunteers - It's a *great opportunity* to build up a science network and give back to the science community. Email Corinne Michor corinne.michor@gmail.com for more 2023 volunteer details.

- Paid Summer Research Experience for Teachers at UW-Madison

<https://education.mrsec.wisc.edu/ret-experience/> - Research Experience for Teachers (RET) is an intensive professional development program where we place middle and high school science, technology, engineering, and mathematics teachers in research laboratories for seven weeks in the summer. During this program, you will get hands-on experience doing cutting-edge research and use the tools, language, and practices of science and engineering while designing hands-on learning activities for your classroom. As a fellow, you will work

under the direction of a principal investigator (PI) along with postdoctoral and graduate student mentors from the PI's lab. The program includes a **\$6,000** stipend and a \$500 supplies budget to develop the classroom activity. Applications are due by March 13.

- Modeling workshops (AMTA) this summer in Door County – July 11-22

Sevastopol High School in Door County will host three AMTA Modeling Instruction workshops this summer for HS biology, HS chemistry, and middle school teachers. They will have the nation's most well-known middle school modeler leading the MS workshop....you can meet him here. (<https://www.facebook.com/watch/?v=1182254635556943>). Participants will learn how to infuse the NGSS Engineering practices into their everyday teaching with whiteboarding and Socratic discussion techniques. Workshops will take place from July 11 - July 22 M-F from 7:30am-2:30pm (unless people vote to take a working lunch, then they'll get out at 1:30pm). The cost is \$775 per teacher, but you can reach out if you need financial help. For more information about modeling instruction <https://www.modelinginstruction.org/>. If you are interested, please contact Janelle at Jhollingshead@sevastopol.k12.wi.us [Kevin note - these workshops receive high praise!].

- Virtual KEEP and LEAF learning - solar dashboards and climate change - Feb 23

[Exploring Solar Dashboards Training](#) - free virtual workshop for High School Teachers on Wed, Feb 23rd at 4pm - ArcGIS* Online focus. Co-presenter will be Doug Miskowiak, Senior GIS Education Specialist, UW-Stevens Point. This KEEP training will include an introduction to solar dashboards and provide educators with the tools to integrate solar dashboards in the classroom. Wednesday, February 23, Virtual via Zoom, 4:00 – 4:50 PM.

[Teaching About Climate Change: Online Resources for Middle and High School Educators](#) - An online, on-demand course - Teaching middle and high school students about climate change involves helping students make sense of data, draw connections between complex topics, listen to opposing viewpoints, and think critically about information. Participants will receive access to Project Learning Tree resources and a kit with classroom supplies; they will have 45 days from registration to complete the module, which should take approximately 7 hours. Cost \$50.

- **Resources**

- iPlan Community Planning Simulation from UW-Madison

<https://www.i-plan.us/educators/> and <https://www.i-plan.us/> - this simulation has students use a Google map overlay of their community (or others) and change land use in segments of the area to try to accomplish goals they determine, such as increased job opportunities or more environmental sustainability.

- New WIDA Course on Supporting English Learners in Science - on-demand

Check out this new, self-paced eWorkshop titled *Engaging Multilingual Learners in Science: Making Sense of Phenomena*. This interactive eWorkshop is designed specifically for science educators and language educators who support multilingual learners in science classrooms. Educators in Wisconsin have free access to this course but must work through their DAC or other administrator to get the login info. These modules, which will take about 3-4 hours, provide multiple strategies for engaging multilingual students in the central work of

sensemaking in science with video, interactions, and reflection activities.
Contact help@wida.us for help.

- Climate Science Workbook from UW-Madison Science Literacy Group

<http://scifun.org/ClimateWorkbook/home.html> - coming from the Wisconsin Initiative for Science Literacy (led by Dr. Bassam Shakashiri), this free resource by Dr. Jerry Bell supports high school educators in teaching about climate change.

Student Opportunities

- Youth Dialogue on the National Climate Assessment - Feb 15, 6pm

<https://michigantech.zoom.us/meeting/register/tZAodeiupjwsEtRnfk-uARI3q9s2WnTu5uMR>
- High school (and college) students are invited to a special event on February 15th from 6-8pm CST to discuss the Fifth National Climate Assessment (NCA5), a major U.S. Government report on how climate change affects people and places in the United States. Attendees will have the chance to hear from authors of the assessment and discuss together how the report can learn from and reflect the concerns of young people in the US. To learn more about the Fifth National Climate Assessment and additional opportunities to participate, please visit www.globalchange.gov/nca5.

- Science Inquiry Projects - ongoing

<https://dpi.wi.gov/science/science-fairs/opportunities> - It's always possible to get students engaged in personally relevant and locally meaningful science projects, which hopefully look different than a cookbook procedure on a tri-fold. The Capitol Science and Engineering Fair extended their deadline to March 1st, with the competition on Mar 12th.

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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