



Hello Science Educators and Colleagues,

First, I hope you'll join me in congratulating the 2024 Wisconsin [PAEMST](#) Finalists in Science! They are Mary Ellen Kanthack (Genoa City), Shiela Kohl (West De Pere), and Rhonda Veroeven (Middleton/Cross Plains). Their ability to connect to students and bring learning to life is commendable.

Also, I hope to see you this week at the WSST annual conference in La Crosse! I'm excited about all of the networking and learning, along with the change of pace and rejuvenation it provides. If you can't make it, you can still check out some resources linked (or soon to be linked) in the schedule - <https://wsst2024.sched.com/>. You can still register in-person. :)

Below are a few science education resources and events I've heard about. If you have announcements to share, 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, let me know if I can help with particular resources, facilitating discussions, workshops, etc.

Cheers,
Kevin

Learning Opportunities

- [Wisconsin Institute for Next Generation Science \(WINGS\)](#) - July 14-18
- [American Chemistry Society Banquet](#) - register by Apr 16 (on Apr 25)
- [National Space Day](#) - Broadcast for 4th and 5th graders on May 3
- [ChemLEAP Summer PD](#) - UW Madison, June 24-28
- [OpenSciEd Training from Activate](#) - in Lake Geneva on July 10/11
- [Great Lakes BioBlitz \(starts Apr 22\) and Shipwreck PD \(Aug 23\)](#)
- [Modeling Method Workshop and Pivot Interactives](#) - May 3 @UWRF
- ["Life after Warming" Webinar](#) w/ NY Times David Wallace Wells - May 29
- [Transforming Systems for Innovation](#) - DPI Summer Leadership Retreat

Resources

- [Updates](#) to the AP Physics course frameworks and exams for 2024-25
 - [Free K-5 and 6-8 "Youth Engineering Solutions" \(YES\) Curriculum](#) from MOS Boston
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- [Opportunities and Resources to "Grow" Ag Learning](#) - some due today!
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Details

Learning Opportunities

- Wisconsin Institute for Next Generation Science (WINGS) - July 14-18

<https://www.einsteinproject.org/wings> - This amazing summer institute in the Northwoods is for K-12 or informal educators passionate about science. There is no cost to attend, with food, lodging, and a mileage stipend included through the generosity of WSST, though there is a refundable \$75 deposit. We'll dig into 3D phenomenon-based science that addresses the NGSS/WSS, with connections to high-quality instructional materials. There is also time to network and enjoy the outdoors. Applications are due by April 26th.

- American Chemistry Society Banquet - register by Apr 16 (on Apr 25)

<https://wisconsinacs.org/2024-annual-ac-s-banquet/> - The American Chemical Society regional section is holding its annual banquet on April 25th from 6-8:30pm at Edgewood College in Madison, WI. The speaker will be American Chemistry Teacher's Association "2023 Chemistry Teacher of the Year" awardee Melissa Hemling (Beaver Dam School District). Congratulations, Melissa! On behalf of this ACS section, Erin Sincox (Section Chair) would like to invite any high school chemistry teachers to be their guest at the ACS Annual Banquet for FREE. More information and the registration form can be found on their website. Registration is due by tomorrow, April 16th.

- National Space Day Broadcast for 4th and 5th graders on May 3

www.swf2030.org/nsd - Space Workforce 2030 is reinvigorating National Space Day as an opportunity to inspire the next generation of space professionals. Space Workforce 2030 has been working with NASA, the National Space Council, the Smithsonian and our partners across the space industry to offer a nationwide broadcast for 4th and 5th grade classrooms across the country. The broadcast, will be streamed on YouTube at 12pm CT on Friday, May 3rd, and will feature video Q&A between 10 year-olds and space industry VIPs (great ones are promised), educational video from our partners on why space will be important to this next generation, and will be emceed by the amazing [Emily Calandrelli](#). Go to the website to register, find more information, and watch a short video about the event.

- ChemLEAP Summer PD - UW Madison, June 24-28

<https://chemleap.wceruw.org/home> - Chemistry Learning Environments Anchored in Phenomena (ChemLEAP) invites secondary science teachers to join us for a week of professional learning this summer. During the PD (which is free, with meals and lodging included), teachers and researchers collaborate to share and refine teaching practices that focus students' efforts on making sense of phenomena and meaningfully engaging in science practices. Although we focus on "chemistry" problems, we'll address tools and practices that are useful for any STEM course. Please see [this flyer](#) for more information, and/or check out their suite of curriculum materials (also free) on their [website](#).

- OpenSciEd Training from Activate - in Lake Geneva on July 10/11

<https://form.jotform.com/240866621795164> - Join [Activate Learning](#) for a free and exciting day of professional learning that will introduce teachers & administrators to the [OpenSciEd](#) (OSE) materials. OSE Middle School will be covered on July 10th and OSE High School will be covered on July 11th. Continental breakfast and box lunch will be provided for all workshop attendees. There is no fee to register for the workshop - this is a free professional learning opportunity for science educators. You could bring your family and stay the weekend at the beautiful [Abbey Resort in Lake Geneva](#), where the meeting is being held (though you would be responsible for accommodation expenses).

- Great Lakes BioBlitz (starts Apr 22) and Shipwreck PD (Aug 23)

<https://sites.google.com/wisc.edu/greatlakes/2024-bioblitz> - You, your students, families, etc. can participate in the 2024 Great Lakes BioBlitz from Apr 22 - May 20. There are a range of ways to be involved to make it easy to be a part of it. You'll need to go to the [iNaturalist](#) website or download the app and create an account. And, you'll need to visit and become a member of the [2024 Great Lakes BioBlitz project](#). Participation is free, and you'll be contributing to a national ecosystems database.

[Get Into Your Sanctuary](#) - The Wisconsin Shipwreck Coast National Marine Sanctuary, Wisconsin Sea Grant, and the Wisconsin Historical Society announce their summer 2024 in-person workshop in Sheboygan, Wisconsin! Educators will dive deep into their sanctuary, from land and aboard the R/V Neeskay. At least half the day will be spent on the water. It's on Aug 23rd from 0800 to 1700, and stipends will be provided to offset costs of attendance and travel. Apply by June 30th.

- Modeling Method Workshop and Pivot Interactives - May 3 @UWRF

https://docs.google.com/forms/d/e/1FAIpQLSeyZ2bzoKgL1wSC8xcuzIUobZCSKwug_S4udv0sbm93-orlKA/viewform - UW-River Falls is hosting a FREE 1-day professional development workshop, Friday, May 3 (9 am - 4 pm) for teachers (grades 9-12). The Modeling session of the workshop will be led by physicist, Dr. Mark Lattery. It will cover modeling theory and practical tips for implementing model-based inquiry in the classroom, with examples from HS physics. The Pivot session will be led by Dr. Matt Vonk, cofounder of [Pivot Interactives](#), and will include examples and suggestions for getting the most out of their (paid) product.

- "Life after Warming" Webinar w/ NY Times David Wallace Wells - May 29 @6pm

<https://community.oerproject.com/events/oer-project-presents-david-wallace-wells> - The future is being transformed by climate change faster and more dramatically than we realized. Politics, tech, business—even our sense of human rights—will all be changed by this massive force. But how? To what degree? In his critically-hailed instant New York Times bestseller, *The Uninhabitable Earth*, David Wallace-Wells tells the epic story of our time. His urgent talks ask key questions for securing our future, showing us how to remain optimistic in the face of climate uncertainty, while sharing relevant anecdotes that will help address student anxiety and encourage them to take action. 250 random registrants get the book for free!

- Transforming Systems for Innovation - DPI Summer Leadership Retreat
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<https://dpi.wi.gov/cal/2024-summer-institute> - Gather a group of administrators, coaches and classroom educators to work on an innovative project together this summer in the Northwoods! Hosted at the beautiful [Lowenwood](#) Campus, teams of 4-6 can dive into topics such as schedules, grading, interdisciplinary learning, and transforming systems. There is no cost to teams - lodging and food and recreation are included! Application review begins April 24th.

Resources

- Updates to the AP Physics course frameworks and exams for 2024-25

<https://apcentral.collegeboard.org/courses/ap-physics/revisions-2024-25> - AP periodically revises course frameworks to ensure alignment with comparable introductory college courses and more clearly communicate the required course content and skills. Since the launch of AP Physics 1: Algebra-Based and AP Physics 2: Algebra-Based, they've received feedback on ways to improve and clarify these course frameworks. They've now revised those courses, as well as AP Physics C: Mechanics and AP Physics C: Electricity and Magnetism, to align the content and skills across the four AP Physics courses and provide more transparent, sequential frameworks for teachers and students. The revisions take effect with the 2024-25 school year (May 2025 AP Exams).

- Free K-5 and 6-8 "Youth Engineering Solutions" (YES) Curriculum from MOS Boston

<https://yes.mos.org/curricula/> - YES curricula develop students' problem-solving abilities, as they tackle real-world problems, scaffolded by an age-appropriate engineering design process. As they engineer, students use science and computer science concepts and tools, thus deepening their understanding of these disciplines. Each YES unit consists of eight to ten 45-minute lessons. A suite of resources, including a Teacher Guide, student Engineering Notebooks, Family Resources, and Assessment Tools support the unit. If you're familiar with [Engineering is Elementary](#), these are the next generation of those materials.

- Opportunities and Resources to "Grow" Ag Learning - some due today!

[Wisconsin Agriculture in the Classroom](#) (AITC) shared several opportunities:

Travel to Salt Lake City, Utah, and GROW at the [National Agriculture in the Classroom Conference](#), June 26-28. Scholarships for travel, registration and housing are still available. [Apply for a Pre-Service/Early Career Scholarship](#) - Due April 15.

Funding - Apply for resources and grants to support agricultural literacy projects in your classroom. [2024 Classroom Resource Grants from NAITCO](#) - Due Apr 15; Fall 2024 Ag in ALL Classrooms Grant – Due Jun 30 ([Application](#) opens Apr 15)

Learn and Explore - Join AITC for professional development opportunities and engage in the rich contexts of science and scope of agricultural phenomenon. [Land Ethic & Agricultural Literacy in the Driftless Region](#) – June 20, Independence. Seeds of Knowledge & Teacher-Led Agricultural Literacy Workshop – July 31, Fox Lake ([Registration](#) Opens April 15)

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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