



Hello Science Education Leaders,

I hope you're finding joy in this new school year! I am hearing that it's going better for many people, and I hope that's true for you and your community too.

Big news - I'd like to announce the first official **Wisconsin Science Week!** [Governor Evers](#) and [Superintendent Underly](#) have both issued Proclamations announcing October 10-16, 2022 as **Wisconsin Science Week**, which will coincide with the [Wisconsin Science Festival](#). Yay, science! Further details below.

More big news - congratulations to Stacey Balbach of Cuba City Schools who received the [ACS James Bryant Conant Award for High School Chemistry Teaching](#)—the highest award in the USA for a high school chemistry teacher. We're grateful to have you as an educator in Wisconsin, Stacey!

Cheers,  
Kevin

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## Learning Opportunities

- [WSST/DPI Virtual Book Study on Climate Change](#) - sign up by Sept 30
- [WSST Elementary Book Study on Asking Questions](#) - sign up by Oct 17
- [Careers Readiness Community of Practice](#) - Paid Local Workgroups! - sign up by Sept 30
- [WI Science Ed Leadership Association](#) - Oct 16 - anyone welcome!
- [Presidential Award for Excellence in Math and Science Teaching](#) - nominations open!
- [Free Webinar on Attending to Student Interests and Community Priorities in Phenomena](#)
- [Does your district do MAP testing in science?](#) PD opportunity available!
- [Upcoming Webinars and Milwaukee Maker Faire](#)
- [Physics of Climate Change Project through UW-Madison](#)

## Resources

- [Wisconsin Science Week and Wisconsin Science Festival](#) - Oct 10-16
  - [WSST](#) - Grants, Awards, and Spring Conference!
  - [How does your school/district support sexual education/human development?](#)
  - [Herb Kohl Fellowships](#) - deadline is Oct 4
  - [Grants](#) - Go Outside (K-12) and Pollinators (HS)
  - [Looking for Resources to Support Media Literacy?](#)
  - [Have you used a Driving Question Board?](#) Current article from OpenSciEd.
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- [Did you miss the August newsletter?](#)

## Student Opportunities

- [Milwaukee Regional Waters Investigations](#) - on Oct 15
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## Details

### Learning Opportunities

- WSST/DPI Virtual Book Study on Climate Change - sign up by Sep 30

<https://forms.gle/c4uanDWAAnmzS8adi9> - The book study this year will focus on teaching climate change across all science subject areas, using the NSTA book Understanding Climate Change, grades 7-12. If you're a WSST member or applying for [PAEMST](#), you can get the book for free! While we will have a more secondary focus, anyone can join. We will meet monthly on Mondays at 4pm in Nov, Dec, Jan, and Feb, with an in-person gathering at the WSST conference in March. Bassam Shakashiri will also conduct a special learning session on climate change as a bonus part of the study.

- WSST Elementary Virtual Book Study - Make Just One Change - sign up by Oct 17

[https://docs.google.com/forms/d/e/1FAIpQLSfNg\\_PbqDI-iFt1M0r9WGfH5Rzp8xz9D4-MZFa3y4u1OoxNTQ/viewform](https://docs.google.com/forms/d/e/1FAIpQLSfNg_PbqDI-iFt1M0r9WGfH5Rzp8xz9D4-MZFa3y4u1OoxNTQ/viewform) - The group will be digging into a teaching methodology book called "[Make Just One Change](#)" by Dan Rothstein and Luz Santana. Virtual discussions will be monthly from November to April, with an in-person session at the WSST Conference in Madison in March. Questions? Contact Shelley Petzold at [spetzold@madisoncountryday.org](mailto:spetzold@madisoncountryday.org).

- Careers Readiness Community of Practice - Paid Workgroups - sign up by Sept 30

<https://www.eventbrite.com/e/2022-2023-career-readiness-community-of-practice-careers-in-the-classroom-tickets-396146844877> - School or district teams of educators, counselors, administrators, and coaches can sign up to collaboratively work on integrating career readiness ideas into science, math, ELA, world language, etc. courses. Participants will receive \$1200 stipends for monthly afternoon work on the project, as they create resources to share through [WISELearn](#).

- WI Science Ed Leadership Association - Oct 16 - anyone welcome!

<https://forms.gle/x7N4PbpMdRFGnif2A> - Our next WSELA meeting will be on October 16th in DeForest (exact spot TBD). We'll be networking around current district work, and discussing leadership of 3D instruction, assessment, and grading (among other suggested topics). The cost is \$20 if you want morning snacks, coffee, and lunch; otherwise, it is free. Email me to RSVP and let me know if you want the food or not.

- Presidential Award for Excellence in Math and Science Teaching - nominations open!

<https://www.paemst.org/> - Nominate yourself or another grades 7-12 teacher for this prestigious national! It is open to science, math, STEM, and computer science teachers, who teach at least 50% of their day. There will be six WI Finalists recognized and two WI awardees who will receive \$10,000 and a trip for two to DC.

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- Free Webinar on Attending to Student Interests and Community Priorities in Phenomena

The National [ACESSE project](#) is supporting a webinar this Saturday, September 17, from 12-1:30pm CT. This capacity building webinar will engage participants in a deep dive of ACESSE Resource H: Attending to Student Interests and Community Priorities in Phenomena. Here is the join link - <https://washington.zoom.us/j/94139844381> - no registration needed. Link to all the excellent PD modules from this project - <https://stemteachingtools.org/pd>.

- Does your district do MAP testing in science? PD opportunity available!

Researchers from [Tyto Online](#) are applying for a grant that studies the effectiveness of their online science learning games, but they need to use increases in MAP scores to gage effectiveness. Please, email me if you use this assessment in your district, and you can get some free professional learning and resources this year as part of this grant work.

- Upcoming Webinars and Milwaukee Maker Faire

Gearbox Labs - <https://www.gearboxlabs.org/events> - has a series of free, upcoming virtual STEM courses. They're also supporting this year's [Milwaukee Maker Faire](#), Oct 22-23, which you can [get free tickets](#) to.

- Physics of Climate Change w/ UW-Madison

Are you a STEM teacher interested in incorporating climate science concepts into your curriculum but don't know where to start? Sign up for details about "The Physics of Climate Change" project, a collaboration between the UW-Madison Department of Physics and Wisconsin's 4-H program. Adding climate science concepts into your curriculum this school year is supported through an engaging activity, easy-to-use teacher materials, and in-class support from the project team (if desired). If you are interested in having the project team join your class for a session during the 2022-23 school year, or if you're simply interested in receiving the activity instructions, please [fill out this registration form](#). Please reach out to Mallory Conlon ([mallory.conlon@wisc.edu](mailto:mallory.conlon@wisc.edu)) with any questions.

## Resources

- Wisconsin Science Week and Wisconsin Science Festival - Oct 10-16

As noted above, I'm excited about **Wisconsin Science Week** October 10-16, 2022, as proclaimed by [Governor Evers](#) and [Superintendent Underly](#). I don't think it's too late to support an event in your community, and connect that to the coinciding [Wisconsin Science Festival](#). But, planning would be a little tight, so I encourage thinking about what you might do next year for this week-long event!

- WSST - Grants, Awards, and Spring Conference!
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Are you a member of the Wisconsin Society of Science Teachers (WSST)? I highly encourage it! Right now [applications are open for grants](#) and [nominations are open for awards](#). I'm also excited about the [2023 conference](#) happening March 9-11 in Madison.

- How does your school/district support sexual education/human development?

<https://www.npr.org/2022/09/12/1121999705/sex-education-school-kindergarten> - As part of science class, I taught sex education and human development. Do you as well? A recent story from NPR shared current research suggesting that learning about human development should start as early as kindergarten, and include a comprehensive K-12 plan, to support long-term health outcomes for students.

- Herb Kohl Fellowships - deadline is Oct 4

<https://www.kohleducation.org/> The Herb Kohl Foundation is now accepting teacher & principal nominations for fellowship awards for Wisconsin Pre-K through 12th grade teachers and administrators. The deadline for submission is Tuesday, October 4.

- Grants - Go Outside (K-12) and Pollinators (HS)

<https://www.wisconservation.org/grants/go-outside-fund/> - "Go Outside" grants from the National Resources Foundation of WI for pK-12 outdoor learning are due Sept 30th. Grants can be from \$100-\$500. Pollinator grant applications (\$1000) are now open for HS teachers to develop pollinator habitats - application deadline is Nov 18  
- <https://sandcountyfoundation.org/our-work/soil-and-water-conservation/monarch-pollinator-conservation>.

- Looking for Resources to Support Media Literacy?

<https://www.tipteachers.net/>- Teachers for an Informed Public (TiP) is a group of teachers & librarians dedicated to bringing media literacy education to students and communities. TiP is inspired by the work of the University of Washington [Center for an Informed Public](#) - lots of great resources, ideas, and lessons for K-12!

- Have you used a Driving Question Board? Current article from OpenSciEd.

<https://www.carolinaopenscienced.com/openscienced-carolina-driving-question-whitepaper-4174H-4824TM.html> - this is a useful article on ideas for getting students asking more questions and using those questions to support discussion throughout a unit.

- Did you miss the August newsletter? All past newsletters can be found here: <https://dpi.wi.gov/science/social-media>

## **Student Opportunities**

- Milwaukee Regional Waters Investigations – sign up by Oct 15

<https://learndeep.org/initiatives/milwaukee-waters-investigation/> - *What if community partners came together to support teachers and students in projects that connect them to Milwaukee's Waterways?* The Milwaukee Waters Investigation is a grant funded opportunity to connect

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teachers and students to local waterways. On April 13, 2023, over 400 local students will hit our waterways for a citywide beach and river cleanup and investigation. Teachers and students will have the support community science, education, environmental, and business partners to prepare for and use this event as part of a real-world exploration. This is also a nice connection to our [statewide inquiry project on water!](#)

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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