



Hello and Happy Science Week!

I hope your classroom and community are engaging in some interesting science this week as part of the [Wisconsin Science Festival](#) and the first official **Wisconsin Science Week** (see the Proclamations from [Governor Evers](#) and [Superintendent Underly](#)).

Is your science team interested in working on standards-based grading, high-quality instructional materials, or general equity work in the coming year or so? I'm looking for a district or two in each of those areas to support in more depth, as I plan to do my work a bit differently this year! I'd be able to join you in person on at least two occasions during the school year plus time during the summer and some shorter virtual connections. Let me know if that would interest your team, knowing that I'd be sharing helpful stories from our work with the rest of the state (and it's all at no cost).

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](#) - Meeting on 10/18 in DeForest, RSVP by this Friday
- [Knowles Webinars in Oct and Nov](#) – free and in the evening
- [WSST Conference](#) - Accepting proposals for sessions and workshops
- [Presidential Award \(PAEMST\)](#) - nominations and applications open
- [ACESSE Webinar](#) on Culturally-Connected Formative Assessment - Nov 2
- [WAE \(Environmental Education\) Conference](#) - Nov 3-5

Resources

- [FabLab Grants](#) - applications open now, \$25k/district, \$50k/consortium
- [Wisconsin Space Grant \(NASA\) Grants](#) – up to \$5k, due Oct 24
- [Computer Science Connections and Student Award](#)

Student Opportunities

- [State Water Inquiry Project](#) - including opportunities for sharing projects
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Details

Learning Opportunities

- WSELA - Meeting on 10/18 in DeForest, RSVP by this Friday

The Wisconsin Science Education Leadership Association welcomes anyone to join the fall meeting at the DeForest School District office (rooms Glenn A&B). If you'd like coffee and lunch/food, it's \$20, otherwise it's free. We'll be discussing and sharing ideas for science programs, instructional materials, external partnerships, PBL, and other topics suggested by the group. Meeting is from 9am to 2/2:30ish.

- Knowles Webinars in Oct and Nov – free and in the evening

<https://knowlesteachers.org/knowles-academy/upcoming-courses> - These free webinars are from 6:30 to 8pm in the evenings on a range of topics, such as phenomena-based science, equitable group work, and project-based learning. They repeat in October and November if you can't make one.

- WSST Conference - Accepting proposals for sessions and workshops –

<https://www.wsst.org/2023-conference> - I'm looking forward to the WSST conference March 8-10 in March! They are now accepting workshop (due by Nov 1) and session (due by Dec 1) submissions. Click on "call for presenters" on the website.

- Presidential Award (PAEMST) - Nominations and applications open!

<https://www.paemst.org/> - Nominations and personal applications are now open for grades 7-12 teachers for the Presidential Award for Excellence in Mathematics and Science Teaching. STEM and computer science educators are also eligible. Educators need to be teaching at STEM subject at least 50% of their position and have 5+ years of experience. State awardees receive \$10k and a trip for them and a partner to Washington, DC.

- ACESSE Webinar on Culturally-Connected Formative Assessment in Science - Nov 2 at 1pm

<https://stemteachingtools.org/pd> - This national webinar will focus on OER professional development Module C on this website. It focuses on using culturally connected formative assessments that build on learners' interests and experiences. We have a limited number of slots for Wisconsin educators, so if you're interested, send me an email, and I'll send you the link. Presenters will be Dr. Philip Bell and Jeanne Norris. Free from 1 to 2:30 pm.

- WAEE (Environmental Education) Conference - Nov 3-5

https://waee.org/2022_Annual_Conference - this affordable and affable conference will take place virtually on Nov 3 and in-person in the Milwaukee area on Nov 4-5. There are always lots of sessions and speakers sharing interesting environmental education ideas!

Resources

- FabLab Grants - applications open now, \$25k/district, \$50k consortium

<https://wedc.org/programs-and-resources/fabrication-laboratories-grant/>

- WEDC will provide grants of up to \$25,000 to eligible Wisconsin public school districts, or up to \$50,000 to consortiums of two or more public school districts, for the creation and/or expansion of fabrication laboratories within the school district(s). The funds may be used to purchase equipment used for instructional and educational purposes by elementary, middle, junior high or high school students. Applicants must spend matching funds on new materials equal to at least 50% of the grant amount provided by WEDC. These grants are awarded through a non-competitive process (first come first served), with applications evaluated based on readiness and long-range planning.

- Wisconsin Space Grant (NASA) Grants – up to \$5k, due Oct 24

<https://spacegrant.carthage.edu/educators/> - The deadlines for the Aerospace Outreach Program and Special Initiatives Program have been extended to October 24th. They require matching funding and a focus on STEM or space subjects (perhaps if you're building rocket parts in a FabLab, it could be combined with the above opportunity?).

- Computer Science Connections and Student Award

Do you connect your work in science and STEM to computer science? Here's a link to the latest Dairyland Computer Science Association newsletter <https://docs.google.com/document/d/1V-sCduTOUKWoaAtvtATjw9BmNmuJqNiNMiqrtsFR4/edit>. They also support the [NCWIT award](#) in Wisconsin for women (or non-binary/genderqueer individuals) in computing and IT, which is open for student applications until Oct 27.

Student Opportunities

- State Water Inquiry Project - including opportunities for sharing projects

<https://dpi.wi.gov/science/water> - We're continuing to suggest and support PBL projects related to water in the coming year, connecting students to meaningful, local phenomena, and giving them an opportunity to make a difference in their communities. There are lots of venues for students to share projects [noted on this DPI website](#).

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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