



Hello Science Education Compadres,

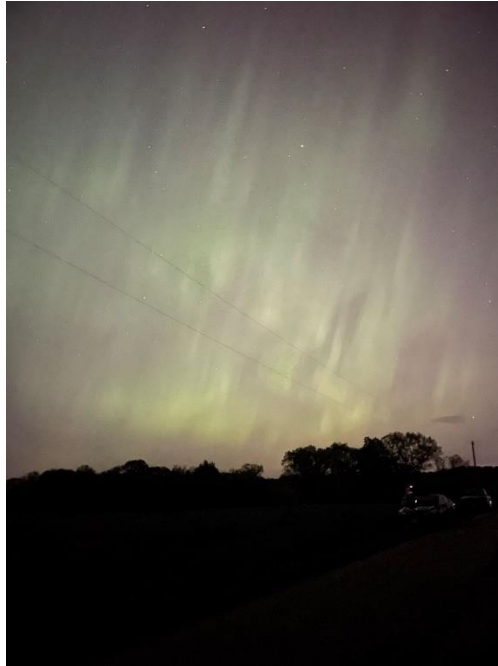
I hope you and your students are thriving and finding some joy in last weeks of the school year! As always, let me know if I can help you out this summer with some resources or a facilitated discussion.

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 (which will be early June). A record of these emails can be found on my website: [dpi.wi.gov/science/social-media](http://dpi.wi.gov/science/social-media).

In other news, congratulations to [Shabazz High School science teacher Brian Counselman](#) on being named a Teacher of the Year! Also, I really enjoyed visiting the Milwaukee Public Schools STEM Fair last week with over 500 students sharing their learning (image 1) and seeing the aurora last weekend (image 2), what a cool phenomenon!

Cheers,  
Kevin





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## Learning Opportunities

- [Yerkes Observatory](#) - Field Trips and Teacher Workshops
- [WI K-12 Energy Education Program \(KEEP\)](#) - summer opportunities
- [Nourish the Future Ag Science and Industry Workshop](#) - June 24-25, Elkhorn
- [2 Climate Ed Workshops](#) - Optimism & Understanding - June 28, July 15-17
- [Virtual Workshops for OpenSciEd High School](#) - July 29-Aug 1
- [AEO Research Experiences for Teachers](#) - Summer opportunities for MS/HS

## Resources

- [WI Science Festival](#) – host an event at your location this October!
- [Cool phenomenon](#) – Daredevil astronaut running to maintain muscles!
- [OER innovation grants for WISELearn](#) – application due June 14<sup>th</sup>, focus is PK-3
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## Student Opportunities

- [Student Summer Camps and Opportunities](#) - from STEM Forward
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## Details

### Learning Opportunities

- Yerkes Observatory - Field Trips and Teacher Workshops

<https://yerkesobservatory.org/visit/school-visits/> - During each visit, student groups tour Yerkes and experience the history and wonder of the observatory first-hand. Following the tour, groups spend time safely observing the Sun (weather permitting) or engaging in a hands-on, NGSS-inspired activity. Each visit will take approximately 1.5 hours during school

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hours, though the duration can be tailored to your needs. <https://yerkesobservatory.org/educator-professional-development-workshops/> - each educator session is 9am to 1pm, with a tour, learning how to facilitate and receive materials for a hands-on activity, and a lunch-and-learn session that explores the astronomy related standards in NGSS. There are four days available - 6/25 - K-5, 6/26 - MS, 7/16 - HS, 7/17 - AP.

- WI K-12 Energy Education Program (KEEP) - summer opportunities

<https://cnroutreached.asapconnected.com/#CourseGroupID=37149> - There are a variety of opportunities throughout the summer and into the fall, including using phenomena to engage students, KidWind - wind turbine-based inquiry project, and technology-based energy modeling.

- Nourish the Future Ag Science and Industry Workshop - June 24-25, Elkhorn

[ntf.plus/wi24](https://ntf.plus/wi24) - This free workshop for middle and high school teachers will support participants in bringing inquiry-based learning to their students about the impact of food production on environmental issues and nutrition around the world. There will be a visit to a local company to see the use of biotech in agriculture. Teachers also receive all meals, a hotel room on the night of the 24th, \$300 of classroom supplies, and an opportunity to network with industry professionals. Takes place 9 to 5 on the 24th and 9 to 1 on the 25th.

- 2 Climate Ed Workshops - Optimism & Understanding - June 28, July 15-17

<https://wirc.international.wisc.edu/climate-optimism/> - First is a UW-Madison workshop on 6/28 for K-12 educators designed to provide new ideas and approaches for teaching about climate change, with a focus on more optimistic outlooks. Speakers bring a range of expertise, from international to local, to provide educators with practical classroom examples. There is a \$10 registration fee to cover mailing workshop materials to you. <https://climategen.org/summer-institute/> - Second is a virtual institute for climate change education from the Teach Climate Network from July 15-17 (the 17th is a special Wisconsin day). You'll get curriculum resources, teaching tips, and a network of educators from across the country. [Scholarships are available](#), but you must apply by May 17th.

- Virtual Workshops for OpenSciEd High School - July 29-Aug 1

<https://www.inquiryhub.net/professional-learning> - the Inquiry Hub group from the University of Colorado is offering four-day, virtual workshops on OpenSciEd high school biology, chemistry, and physics this summer. The workshops will be from 10-5 each day. Cost is \$650 per person. Registration closes July 12th. There is also a workshop on equitable, 3D feedback and grading (July 16-17) and using sensors (July 8-9).

- AEOP Research Experiences for Teachers - Summer opportunities for MS/HS

<https://www.usaeop.com/program/reset/> - Several options to get a stipend for doing summer research in partnership with and/or at an Army research center. The timeline is a bit unclear on their site - looks like you should apply now to begin virtual work this fall and in-person work next summer (2025). You have to be a grades 5-12 STEM subject teacher and a U.S. Citizen to participate.

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## Resources

- WI Science Festival – host an event at your location this October!

<https://www.wisconsinsciencefest.org/host/> - Submit an event for the 2024 WI Science Festival, held from October 14-20. Even if you only have some of your event details, feel free to submit, and they can make edits up until October 6. The sooner you submit, the sooner they can start working you into their promotional efforts. Submit events before August 1 to be eligible to receive the event host kit materials. One possible event could be a student science exposition (or Science/STEM night) where your students create booths for younger kids and community members where they can do science. Another idea could be a local science speaker. So many options!

- Cool phenomenon – Daredevil astronaut running to maintain muscles!

<https://www.science.org/content/article/daredevil-running-could-help-astronauts-maintain-muscles-low-gravity> - Without the impact of earth's gravity, astronauts lose muscle mass. This issue could be more pronounced in a long-term moon base. This article shares a new idea where they could run like daredevils in a horizontal hamster wheel type device!

- OER innovation grants for WISELearn – application due June 14<sup>th</sup>, focus is PK-3

<https://dpi.wi.gov/wisearn/oer-innovation-grants> - Need some money for an early elementary or preschool science project? This WISELearn grant is for you! Pull a team together, create some PK-3 science resources, and then upload them to [DPI's WISELearn system](#). You can get up to \$10k for your project!

## Student Opportunities

- Student Summer Camps and Opportunities - from STEM Forward

<https://www.stemforward.org/stem-summer-camps-programs-2024> - STEM Forward collects and shares a great list of students summer STEM programs in the greater Milwaukee area.

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Kevin J. B. Anderson, PhD, NBCT  
Wisconsin Department of Public Instruction  
Science Education Consultant  
[dpi.wi.gov/science](https://dpi.wi.gov/science)  
[kevin.anderson@dpi.wi.gov](mailto:kevin.anderson@dpi.wi.gov)  
(608) 266-3319

“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