



Hello Wisconsin Educators and Science Aficionados,

I hope the school year has gone well for you and that you have a fabulous summer!

Here are the latest science education resources and opportunities 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.

As always, please let me know if I can support your work in any way. I am happy to come out to districts to support science improvement efforts.

Cheers,
Kevin

Opportunities

- [Climate Science Workshop in Sturgeon Bay](#) - August 19
- [WISELearn Curation Day for Science](#) - June 21
- [Host a Wisconsin Science Fair Event \(and participate in them!\)](#) - Oct 20-23
- [Startup Weekend for Educators: Calling all Innovators!](#) - July 22-24
- [Watershed Science for Educators Course](#) - June 27-28
- [NAAEE \(Environmental Ed\) Conference in Madison, Scholarships available!](#) - Oct 19-22

Resources

- [Observing the Science Classroom - Supporting Administrators with or without a Science Background](#) - Sept 29
- [Formative Assessment and the NGSS](#)
- [Water Study Equipment Lending Library](#)

Student Opportunities

- [Student Science Advisors to the White House](#) - due by June 17

Details

Opportunities

- Climate Science Workshop in Sturgeon Bay - August 19

<https://www.facebook.com/TeacingClimateChange/events/> - Climate science experts Bruce Smith and Frank Shaw will lead this workshop for teachers up in beautiful Door County. This workshop will introduce teachers to the basics of climate science and provide classroom-ready materials and demonstrations usable both as laboratory experiences for students and as outreach activities in the community. For more information about this year's workshop, including a workshop registration form and schedule, contact Bruce Smith at bsmith733@gmail.com.

- WISELearn Curation Day for Science - June 21

<https://docs.google.com/forms/d/1Tts-J30eWpiblhAJ470nFtOLi0VCglDyH280d2xhIUA/viewform> - We have 2-3 more slots available to join a group of educators in Mosinee from 9 to 3:30 to curate science resources for the DPI WISELearn database. This day is a WSST and DPI collaboration! You'll receive mileage reimbursement and a \$200 stipend, which will require posting 2+ resources and going through training beforehand. We're also going to work on generating resources around what makes a high-quality resource in science. If interested, you can be videotaped sharing insights along those lines! You will need to sign up by the end of the day tomorrow, Thursday, June 9th.

- Host a Wisconsin Science Fair Event (and participate in them) - Oct 20-23

<http://wiscifest.org> - The 2016 Wisconsin Science Festival is a four-day celebration of science, technology, engineering, art, and literature. There are dozens of venues participating statewide where you can go learn and take your students (free transportation to UW-Madison!). [Sign up to be notified](#) when registration for field trips and teacher workshops opens in August.

We are also looking for even more sites to participate. Consider hosting a Wisconsin Science Festival event! **No event is too big or too small.** Events can be anything STEM or STEAM related that happens during the Festival dates. There are many possibilities for activities:

1. Hold a school-wide science expo that's open to the community
2. Have a STEM book reading at your local library or school
3. Organize teacher or student-led nature walks in your area
4. Set up a couple of table top science activities at a sporting event
5. Your creativity is the limit!

When you host an event, the Festival will provide marketing materials (t-shirts, giveaways, etc.), inclusion in the Festival program guide, and networking opportunities with other science organizations around the state...all free of charge. All you need to do is bring the science! We can provide you with how-to instructions on setting up an event with science exploration stations, and our staff is available to help you along the way. To learn more, visit us at <http://wiscifest.org>. You can also contact Wes Marner, statewide recruitment lead, via wmarner@morgridge.org.

- Startup Weekend for Education - July 22-24

<https://madisonswedu2016.splashthat.com/> - Ever wish you could find the perfect solution to perplexing challenges in the classroom? Do you have a great idea or new model that will boost learning, but no way to develop it? Have you ever wondered what it would be like to work with entrepreneurs, developers and educators to make your ideas "come alive"? Are you a change-maker itching for the opportunity to work with others to create solutions for your classroom or school? Come on your own or with your teacher team. It will be at the Discovery Building – Town Center, 330 N. Orchard St, Madison.

- Watershed Science for Educators Course - June 27-28

<http://www.uww.edu/ce/workshops/watershed> - The Rock River Stormwater Group is hosting a 'Watershed

Science for Educators' course at UW Whitewater June 27-28. The course is designed to share hands-on classroom and field activities with teachers related to watershed, water quality and stormwater pollution that they can replicate in their own classrooms. The course is designed primarily for grade 4-9 teachers, but participation of grade 3-12 teachers is encouraged. Registration for the course is FREE, made possible by our member community's annual fees and a grant from the Wisconsin Department of Natural Resources. Note: For those who wish to take the course for 1 undergraduate credit, you can but will need to pay the \$318.22 UW credit fee.

- North American Association for Environmental Education - Conference in Madison, Scholarships available! - Oct 19-22

<https://naaee.org/conference/scholarships> - This is bound to be an incredible conference! Scholarship applications are due June 30th (the deadline was extended, which is a good sign for you if you want one).

Resources

- Observing the Science Classroom - Supporting Administrators with or without a Science Background - Sept 29

<http://www.sciencepracticesleadership.com/> - this resource has great suggestions, resources, and embedded learning to support coaches, peers, or administrators observing the classroom of a science educator. Based on feedback, we will have a one-day workshop on Sept 29th where we'll discuss these resources, but really focus on larger ideas of how we observe and support science within the framework of Educator Effectiveness. Save the date and watch for location and registration information! On a related note, for those using the NGSS, here's a new administrator guide to them:

http://www.nextgenscience.org/sites/default/files/resource/files/NGSS%20Overview%20for%20Principals_0.pdf

- Formative Assessment and the NGSS

<http://wisdpiscience.blogspot.com/2016/06/formative-assessment-and-ngss.html> - In my most recent blog post, I focus on effective formative assessment practices, particularly in line with NGSS-based instruction. Please, provide feedback in the comments section!

- Water Study Equipment Lending Library

Science teachers often hope to teach a particular concept or have students collect data like researchers in the field, but they don't have the equipment to do so. Gateway Technical has started a water studies equipment library where you can borrow a turbidity sensor, water quality colorimeter, flow rate and temperature sensor, and other water quality sensors. Please, contact Michael Schuck, P.E., SchuckM@gtc.edu for details.

Student Opportunities

- Student Science Advisors to the White House

<https://www.whitehouse.gov/blog/2016/05/19/attention-kid-scientists-president-wants-your-ideas-science-and-technology> - Need a science task for the last couple days of school? Have your students fill out this White House form by June 17th and pitch a science-based idea for how to make our country work better. They do need parent name and email information.

Kevin J. B. Anderson, PhD, NBCT
Wisconsin Department of Public Instruction
Science Education Consultant
Content and Learning Team
kevin.anderson@dpi.wi.gov

(608) 266-3319

@wisDPIscience

“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