



Hello Science Education Leaders,

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.

This fall I'm hoping to visit several districts and see how current changes in your science programs are impacting classroom instruction and learning. Please, let me know if you would be willing to host me for a day.

Cheers,
Kevin

Learning Opportunities

- [WISELearn and WSST](#) - Special Science Resource Review Session (w/ stipend) - June 21
- [Science Forward Exam Standards Setting and Item Review](#) - opportunities this summer
- [Observing Science Classrooms](#) - Support for Administrators or Science Leaders
- [Summer Institute on Climate Change](#) - UWSP - June 14-16
- [Teacher Workshop on Climate Science](#) - UWM - Aug 17

Resources

- [Wonders of Physics](#) - Continued Support?
- [Wisconsin State Legislature Joint Resolution](#) on environmental education and climate change
- [Free watershed posters from DNR](#)
- [Interim Assessment Ideas from DPI](#)
- [NGSS Implementation Ideas](#) - Sample Timeline
- [Wikiwatershed](#) - toolkit and resources

Student Opportunities

- [Badger State Science and Engineering Fair](#)
 - [Science Olympiad National Tournament](#) - UW Stout - May 20-21
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Details

Learning Opportunities

- WISELearn and WSST - Special Science Resource Review Session (w/ stipend) - June 21

<http://goo.gl/forms/YW9dYIU1m> - Join fellow science teachers for a day in Mosinee to dig into what an NGSS-aligned science resource really looks like. We'll also post those quality, online resources through the DPI WISELearn database. Partnering with WSST, we want to support an OER database that truly moves science education forward in Wisconsin. A stipend and travel allowance will be provided. Sign up to receive further information.

- Science Forward Exam Standards Setting and Item Review

<http://dpi.wi.gov/assessment/forward/educator-involvement> - Get involved in work with the Forward Exam in Science this summer! Build your understanding of what happens behind the scenes in state testing! Travel reimbursement will be provided. Deadline to apply is May 20th.

June 14-17 in Wisconsin Dells: Standards Setting - help determine overall proficiency levels and difficulty levels of test items.

Aug 22-24 in Madison: Item Review - review new science items for clarity and quality, and have a hand in writing/rewriting items.

- Observing Science Classrooms - Support for Administrators or Science Leaders

<http://www.sciencepracticesleadership.com/> - This resource from Boston College comes from Drs. Kate McNeill (of CER fame) and Rebecca Lowenhaupt (UW-Madison grad). It provides great rubrics and guidance for observations of science instruction, particularly geared for those without a strong science background. There's even an app for recording observations linked to time stamps. These tools could also be used for peer observation and PLC work. Interested in a professional learning session here in WI about these tools? Fill out this form to receive more information and help determine how this workshop could best meet your needs: <http://goo.gl/forms/Okd6uCYr6t>

- Summer Institute on Climate Change - UWSP - June 14-16

<http://www.uwsp.edu/cnr-ap/wcee/Pages/WCEE-Institute.aspx> - The Wisconsin Center for Environmental Education (WCEE) is excited to host its first annual Summer Institute for pK-12 educators on the UW-Stevens Point campus June 14-16. The Institute "Climate Education: Preparing for a Changing World" will feature presentations from Wisconsin climate leaders, including Keynote Speaker Tia Nelson and will include hands-on workshops and collaboration with peers to integrate 21st century skills into your classroom! Registration is open through June 10.

- Teacher Workshop on Climate Science - UWM - Aug 17

UW-Milwaukee, along with Illinois State University, is running a one-day teacher workshop (limited to 25 people) on climate science on Wednesday August 17, 2016 in the chemistry department at UW-Milwaukee. The main goal of this workshop is to provide a summary of the facts about climate change and extreme weather events. They will also examine some of the consequences of climate change for humans and wildlife. In addition, they will provide materials for a number of demonstrations that can be performed in the classroom together with a full set of instructions. There will also be a short field-trip to an urban woodlot. The cost of the workshop is \$15 which includes lunch. Registration deadline is August 3rd. To register, email Alison Donnelly - donnela@uwm.edu.

Resources

- Wonders of Physics - Ending?

<http://wonders.physics.wisc.edu/> - Have you seen the Wonders of Physics program at UW-Madison or had them visit your school? Their funding is ending. Please, let me know if you have suggestions for how to keep their good work going--I'll compile ideas and send them on. Some resources, like videos/demos, are also available on this website.

- Wisconsin State Legislature Joint Resolution on environmental education and climate change

<http://docs.legis.wisconsin.gov/2015/related/proposals/sjr111> - This state resolution provides a reminder of integrating environmental education into our teaching, including the need to investigate the science of climate change.

- Free Watershed Posters from DNR

DNR has watershed posters left and would like to distribute them. If you're okay with them being folded, they can be shipped to your site at no cost. Posters include the Lake Superior watershed, the Lake Michigan watershed, and the Upper Mississippi watershed. "Flat" versions of the Lake Michigan and Mississippi watersheds can be picked up from the warehouse. Ben Pierson Benjamin.Pierson@wisconsin.gov in the Office of Communications can place orders for you.

- Interim Assessment Ideas from DPI

<http://dpi.wi.gov/strategic-assessment/interim> - DPI is excited to release the third video in our [Strategic Assessment](#) series. In this interim assessment video, we learn about the variety of interim assessments, and how all interim assessments – no matter what form they take – are designed to answer the question, “what progress are our students making?” This page also includes a video supplement guide.

- NGSS Implementation Ideas - Sample Timeline

<https://drive.google.com/a/dpi.wi.gov/file/d/0B1V44r8BY1ugRURoR21YOTFYekU/view> - Many districts across the state are using their local control prerogative to move forward with NGSS implementation. It's a process that to do well requires much more than buying new books. This sample implementation timeline might provide some ideas for work within your district or school.

- Wikiwatershed - Toolkit and Resources

wikiwatershed.org - Has a variety of interesting tools and resources related to watersheds, such as modeling your watershed and looking at GIS data. There is a new version of their watershed curriculum currently under development, and they're looking for teachers to get some training this summer and pilot it. Email them for more information - <http://wikiwatershed.org/contact/>

Student Opportunities

- Badger State Science and Engineering Fair

www.bssef.org - The Badger State Science & Engineering Fair wishes to announce BSSEF 2017 will be held on Saturday, March 11 at Marian University in Fond du Lac. This will be the first time BSSEF will be held outside Milwaukee since 2005 and we are excited to extend our reach into the Fox Valley. BSSEF is the only Intel ISEF affiliated Fair open to all high school aged students in Wisconsin. We congratulate Daniel Glazer,

Anshul Bhatnagar and Amit Rajesh for winning Best of Fair awards and receiving all-expense-paid trips to Intel ISEF 2016 in Phoenix. Intel ISEF 2017 will be held in Los Angeles.

- National Science Olympiad Tournament - UW Stout - May 20-21st

<http://www.scienceolympiad2016.org/> - The Science Olympiad engages students in engaging, hands-on engineering and science learning! If you're not familiar with this program for MS and HS students, come check out the national tournament, which is in Wisconsin this year!

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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