



Hello Science Education Leaders,

I thought I'd get a final newsletter out before the school year ends. I hope everything is winding down well for you!

I expect that my next newsletter will be toward the end of July when we start the public comment period on the new state science standards.

Below 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.

Cheers,
Kevin

Learning Opportunities

- MakerCamp in Oshkosh on Aug 1 (registration due June 2nd!)
- Great Lakes Tall Ships Research Opportunity - Aug 13-19
- Shedd Aquarium NOAA Oceans Research Workshop - Sept 9
- Ag Science Summer Trainings - July 6 and July 18-19
- STEM PD Calendar

Resources

- eCybermission Grants
 - Project-Based Learning and Science and Engineering Fairs - ongoing
 - Education Fund through the Einstein Project - Piloting instructional materials
 - Science humor - we need a control?
 - Phenomenon of the month - Jupiter!
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Details

Learning Opportunities

- MakerCamp in Oshkosh on Aug 1 (registration due June 2nd!)

[2017 Summer Maker Camp](#) - Are you interested in learning more about a makerspace? Would you like to play with Spheros, a green screen, Makey Makey, and more? Attendees will have opportunities to work through stations to explore robotics, coding, writing, arts, video/green screen. There will be time built into the day to round table with other educators and to design. Lunch is included in the cost (\$25) of the workshop. The camp is August 1st in Oshkosh – further details will be sent to those who sign-up. Registration is due June 2nd with payment received by June 9th, 2017 to guarantee a spot. Only 30 seats are available.

- Great Lakes Tall Ships Research Opportunity - Aug 13-19

The [Center for Great Lakes Literacy](#) and Great Lakes Sea Grant Network, in partnership with the tall ship, [S/V Denis Sullivan](#), invites 3rd-12th-grade teachers and non-formal educators who teach in Minnesota or Wisconsin to participate in this FREE 6-day August workshop to sail aboard Wisconsin's flagship S/V Denis Sullivan. In this workshop you will: learn from mentor teachers, scientists, and CGLL staff about how to incorporate Great Lakes concepts into your teaching; collect and analyze chemical, physical, and biological data; and, join the Denis Sullivan crew to learn about Great Lakes maritime history and the science of sailing. You will also develop a plan to implement your learning back in your classroom and have the opportunity to earn credits. You can be a teacher mentor (previous experience required in this work), or a teacher learner (open to both classroom and non-formal educators). If you are interested in this amazing opportunity, please apply at the [Center for Great Lakes Literacy website](#) (cgll.org/opportunities) and provide a letter of recommendation by Monday June 19. Applicants will be notified if they have been accepted soon after. If you have questions, please contact Kathy Kline at WI Sea Grant (kkline@aqu.wisc.edu, 608-262-0645).

- Shedd Aquarium NOAA Oceans Research Workshop - Sept 9, 8am to 4pm

<http://www.sheddaquarium.org/plan-a-visit/Explore/Experiences/NOAA-Workshop/> - In this NOAA educators workshop, participants will learn about the importance of ocean exploration and the advanced technological capabilities of the NOAA Ship Okeanos Explorer used to explore the deep ocean. Educators receive NOAA Education Materials, a \$75 stipend, free parking, and breakfast and lunch.

- Ag Science Summer Trainings - July 6 and July 18-19

<https://wisagclassroom.org/teachers-information/training-opportunities/> - Two opportunities this summer with credits possible. In Madison there will be a training on July 6th where teachers receive educator resources from various industries and tour the West Madison research station. In Johnson Creek, educators can participate on a bus tour on July 18-19 to see ag science in action, receive lesson materials, and learn more about ag careers. For more information, contact Darlene Arneson at darneson@wfbf.com or 608.828.5644.

- STEM PD Calendar

<http://www.wistem.org/stem-pd-calendar.html> - Just a reminder that I try to support a

statewide STEM PD and student opportunity calendar. There are often events that are published there that don't necessarily make this newsletter. Please email any PD or student opportunities you'd like added to the calendar.

Resources

- eCybermission Mini-Grants

<https://www.ecybermission.com/AdvisorResources> - this Army Education Outreach Program encourages student to engage in community-focused science or engineering projects. Students write up their project, receive feedback, and compete for prizes. Mini-grants are available to support teachers in implementing the program. Mini-grant applications are due Oct 11th and teams must be registered by Nov 8th. [Link to a mini-grant overview.](#)

- Project-Based Learning and Science and Engineering Fairs - ongoing

With many districts working to implement the NGSS and effective science instruction in general, I want to encourage you to continue to consider how project-based learning can be part of your instruction. Engaging students in meaningful, real-world projects can be an ongoing part of classroom instruction, becoming a behind-the-scenes opportunity for students to pursue their interests. In addition to eCybermission, noted above, there are several opportunities for students to share these projects (think NGSS practice of communicating scientific information) - [MASTERS](#) - a MS science and engineering fair in Madison but open to all; [BSSEF](#) - a statewide science and engineering fair; [CSEF](#) - a HS regional science and engineering fair in Madison but open to all; [JSHS](#) - a statewide science and humanities symposium.

- Education Fund through the Einstein Project - Piloting instructional materials

<http://www.einsteinproject.org/support-us/give-a-gift/steven-van-dyke-fund-school-grants/> - Is your district looking for new science instructional materials? While I'm not endorsing The Einstein Project (I can't endorse particular materials), I did want to share that they have a fund that allows districts to use their services for free for a few months. This would allow you to pilot some new science materials to see if they're something you'd like to purchase, without the work of going to the typical vendor.

- Science humor - we need a control?

<https://twitter.com/scienmag/status/867137573264732160/photo/1> - Can students tell you what's going on here?

- Phenomenon of the month - Jupiter!

<https://www.nasa.gov/press-release/a-whole-new-jupiter-first-science-results-from-nasa-s-juno-mission> - Have you heard about the new discoveries about Jupiter?! I think this information could provide a nice context for talking about the nature of science - we are constantly learning new things, but that doesn't make current science any less valid and actionable.

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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