



Hello Science Leaders!

I hope you're all doing well! Here are a few opportunities, announcements, and resources, because Science Matters in Wisconsin! ;)

Opportunities

- 1) [Field Day Fellows at UW-Madison](#) – creating science video games and simulations
- 2) [Einstein Fellowship in Washington D.C. for a year](#) – due Nov 19th
- 3) [GOES-R satellite imagery training](#) for MS/HS teachers
- 4) [Costa Rica](#) (free trip possible!)
- 5) [Elementary book study](#) supported by WSST and DPI
- 6) [New science test item review team](#)
- 7) [Mickelson/Exxon Mobile Teachers Academy](#) - grades 3-5 teachers, has a math/science focus
- 8) [eCybermission](#) – contest for students in grades 6-9

Announcements

- 1) [Presidential Awards for Excellence in Mathematics and Science Teaching](#)
- 2) [WSST presentation submission system open for spring conference](#)
- 3) [National Youth Science Camp](#) – great opportunity for your seniors!

Resources

- 1) [Sharing MS/HS Course Pathways w/ NGSS](#)
- 2) [Are you looking for collaborators on NGSS implementation?](#)
- 3) [NOAA Climate Stewards Grants](#) – up to \$2000!
- 4) [Brains from PBS](#)

Opportunities

- 1) Field Day Fellows at UW-Madison

The Field Day program at UW-Madison is doing some really interesting work with science video games and simulations. You can work on some yourself, no coding experience required. More info: https://docs.google.com/document/d/1FqA_DVkpYzlakv13Cr8YUzPxR6hAUtsvpWod08H_NG4/edit For priority consideration, the deadline is 12/01/2015. Field Day website: <http://wid.wisc.edu/programs/fielddaylab/>

- 2) Einstein Fellowship in Washington D.C. for a year - <http://science.energy.gov/wdts/einstein/>

This is an amazing opportunity. Work in a federal government agency for a year in DC! Applications are due Nov 19th. I've reviewed applications for many years, so please ask me if you have questions. You need to have been a science teacher 5 out of last 7 years, but you could be in a different position now (or next year).

- 3) GOES-R satellite imagery training

Using authentic data in your science classrooms provides for excellent NGSS alignment. There is a GOES-R satellite imagery training opportunity for MS and HS teachers, where you'll be working with

NOAA scientists. Application link is in the lower, right-hand corner of this website:

<http://cimss.ssec.wisc.edu/education/goesr/> Qualified applicants will receive \$500 stipends to: 1) Participate in a four-part webinar series between February and May 2016. 2) Pilot an existing GOES-R lesson plan and new WebApps in their classroom. 3) Disseminate GOES-R launch information and new resources with their peers. 4) Promote the October 2016 GOES-R launch throughout their school and school district.

4) Costa Rica Educator Trip (free!) – Save the Rainforest

Purpose: To introduce teachers to the rainforests of Costa Rica, sustainable practices in the buffer zones around these rainforests and the efforts of conservationists to preserve biodiversity in the tropics. Teachers whose applications are accepted **will travel free of cost** and have the option of submitting teaching lesson plans and/or a power point presentation to earn 3 graduate credits in education from Edgewood College in Madison, WI. Participating teachers will be hosted by Costa Rica's leading conservation organization. All food, lodging and transport expenses will be covered. Edgewood College tuition, for those who want to take the trip for credit, is not included. Contact Bruce Calhoun at saverfn@cybermesa.com or [608 729 4877](tel:6087294877) to receive application form. This is a Save the Rainforest www.saverfn.org program. I wonder if I qualify...

5) Elementary book study supported by WSST and DPI

WSST and DPI are working together to support an book study focused on connecting science and literacy instruction! It's free to take part and all are welcome. Online sessions will take place outside of school hours in Jan, Feb, Mar, and Apr, with an in-person session at the WSST conference to conclude the study. You would be welcome to take part in all or only some of the sessions; topics/announcements for each will be sent through this listserv. We'll be using the book *Inquiring Scientists, Inquiring Readers*, as our foundation. Interested WSST members can receive a free copy of the book. Or, those who begin application for the PAEMST award will also received a free book (see announcement below). 1 credit will be available through Viterbo (\$110). Online sessions will be recorded for use with staff professional learning and collaboration opportunities for those who can't make it. I suggest getting involved with a colleague, so you can discuss ideas and collaborate on lesson implementation! Fill out this form if you'd like to participate:

https://docs.google.com/a/dpi.wi.gov/forms/d/1vE3Ib5PuRZ0WKEjOBOKUt17NuNxBPjhKyw6_IRFCTC4/viewform?usp=send_form

6) New science test item review team

On December 9th, DPI needs two groups of 5-7 teachers to review items for the new state science assessment. In this case, we'll be reviewing more traditional multiple choice items to determine which best fits current conceptions of scientific understanding. There will also be new, more forward looking items on the assessment, though those will be reviewed at a later date. Substitute and travel costs will be covered. We're looking for reviewers who are science standards savvy enough that they could support teachers with either the WMAS or NGSS. The review will be at the Wilderness Lodge in Wisconsin Dells. If interested, please complete the application on this site:

<http://dpi.wi.gov/assessment/forward/educator-involvement> - need to submit by Nov 13th.

7) Mickelson/Exxon Mobile grades 3-5 teacher academy (math & science focus)

There are free, all-expense-paid, one-week academies in TX, PA, and NJ. Application - <http://www.sendmyteacher.com/> - and information - <http://www.nsta.org/mickelson/> - the deadline is Nov 20th.

8) eCybermission – contest for students in grades 6-9

This contest has groups of 3-4 students complete a “mission challenge” in [one of seven areas](#), one of which will like line up with your standards. More info at: <https://www.ecybermission.com/> - tasks can readily connect to NGSS.

Announcements

1) Presidential Awards for Excellence in Mathematics and Science Teaching – PAEMST

Are you a skilled K-6 science teacher or know one? Nominate yourself or someone else for the highest award given to math/science teachers from the POTUS. Teachers can also teach CTE, CS or STEM, though lesson need a math or science focus. More information at: www.paemst.org. Teachers need at least 5 years of experience, not including the current school year. Finalists take part in a special Wisconsin ceremony, while two finalists from Wisconsin become national awardees, with a trip to DC and \$10,000.

2) WSST presentation submission system open for spring conference

Please, consider submitting a proposal for a WSST conference session. The conference will be in beautiful LaCross this year from Apr 21-23.

<https://docs.google.com/a/dpi.wi.gov/forms/d/1Vtjn2nhpDUROILBQ0zc3xEQmlGrWTNjXpVMd0JD7VGE/viewform?c=0&w=1>

3) National Youth Science Camp – great opportunity for your seniors!

Soon, applications will open for the National Youth Science Camp, 2016. The opportunity is open to graduation seniors. We had two fabulous attendees this past summer, Ryan Ramsdell:

<http://2015.nysc.org/delegates/ryan-ramsdell> and Marisa Lucht:

<http://2015.nysc.org/delegates/marisa-lucht>

Resources

1) Share your MS/HS course pathways w/ NGSS

WSELA is creating a listing of what schools are doing in terms of MS and HS course pathways aligned to NGSS. Please, add your work and take a look at what others are doing. With this file, you’re welcome to make a copy and save it locally, but don’t do use “move to,” or nobody will be able to see it anymore except you! <https://docs.google.com/spreadsheets/d/1No82PsZL-Cmp3UEmcYvyJTlf2Cj7eHRmdkZhQ9HkHJ8/edit?usp=sharing>

Remember, we’re all learning together, and it’s by collaborating that we’ll realize our full potential!

2) Are you looking for collaborators on NGSS implementation?

Please, add information about what your school is doing with NGSS implementation and for what areas you’d be interested in collaborating with others. WSELA is supporting this list in order to help districts network! Again, you can make a copy and save it locally, but don’t select “move to” with this file. <https://docs.google.com/spreadsheets/d/1nQNF50xy9kZgx4wXziPwbsnYaSs3DQLH2yMg-PAMeVM/edit?usp=sharing>

3) NOAA Climate Stewards Grants – up to \$2000!

Become a NOAA Climate Steward and get grants for up to \$2000 for classroom projects as well as professional development. Join educators across the United States supporting climate resilience. Apply NOW to become part of the 2016 NOAA Climate Stewards Education Project (CSEP) Stewardship Community. Selected educators who meet project requirements will be eligible for: Mini-grants up to

\$2000 to support a climate stewardship action project, Travel reimbursements to attend select workshops and/or national conferences, Special professional development opportunities, and Additional monetary and educational resources. Applications are due by midnight PST, November 22, 2015. To learn more, go to <http://oceanservice.noaa.gov/education/climate-stewards/welcome.html>

4) Brains from PBS!

Interactive tool to learn about the brain: <http://www.pbslearningmedia.org/resource/771a1f12-3d82-4414-8841-005eda1c6780/the-brain-with-david-eagleman-interactive/?elq=f5ff0b9490444992a62aa7086d9370db&elqCampaignId=959&elqaid=1888&elqat=1&elqTrackId=9a0319d4e0f645bca658c117333b2ced>

So many fascinating phenomena w/ brains! (thanks to Jack Samuelson for sending this resource)

As always, let me know how I can help your efforts to improve the scientific literacy of all of our students!

Cheers,
Kevin

Kevin J. B. Anderson, Ph.D., NBCT
Wisconsin Department of Public Instruction
Science Education Consultant
Content and Learning Team
[\(608\) 266-3319](tel:6082663319)

@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