



Hello Science Education Amigos,

I hope you have some relaxing summer plans! If you're planning to dig into science curriculum or materials, let me know if I can help.

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. A record of these emails can be found on my website: dpi.wi.gov/science/social-media, where other summer opportunities are noted.

Cheers,
Kevin

Learning Opportunities

- [UW-Oshkosh Workshop on Earth Wellness](#) - Aug 3-5, 8, 9
- [Upcoming Energy Related Summer Events](#) - Energy Fair, Solar, KidWind
- [AP Summer Institute @ UW-Madison](#) - online and in-person
- [Play Make Learn Conference @UW-Madison](#) - August 8-9

Resources

- [What do we mean by "student-centered" instruction?](#)
 - [WSST Digital Summer Newsletter and Membership](#)
 - [Articles of note I've read lately](#)
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Details

Learning Opportunities

- UW-Oshkosh Workshop on Earth Wellness - Aug 3-5, 8, 9

<https://uwosh.edu/sirt/events/wellness-training/> - UW-Oshkosh is offering a free summer workshop on the topic of Earth WELLNESS. This workshop is sponsored by the College of Education and Human Services and the Sustainability Institute for Regional Transformation at UW Oshkosh. It will take place August 3, 4, 5, 8 and 9, from 8 to 5 each day, with field trips to local natural areas planned for each day. Teachers can receive 2 free graduate credits by completing some additional assignments. Must register by May 31.

- Upcoming Energy Related Summer Events - Energy Fair, Solar PD, KidWind

<https://www.theenergyfair.org/tickets/> - Free educator admission from the Wisconsin K-12 Energy Educators Program (KEEP), using code EDU22KEEP, to the MREA Energy Fair in Custer, June 24-26. This is the longest running renewable energy fair in the country

<https://www.kidwind.org/challenge/events/recUZJPR4f3DqqT6P> - June 20-21 - Join KidWind, Madison Area Technical College, and Invenergy and learn about solar energy and storage and how to bring this engaging solar energy content to your students. All participants will receive \$100 in classroom materials. Materials are geared toward 6-12 and preservice teachers. No prior knowledge of solar energy necessary. You will learn about how renewable energy works and how to implement activities in your classroom. Breakfast, snacks, and lunch provided both days. KEEP is offering a \$250 stipend to each participating WI educator. Once registered for the workshop, please email Samara.Hamze@uwsp.edu to let them know that you will be requesting a stipend after the workshop.

<https://energy.wisc.edu/education/kidwind-challenge/kidwind-educator-workshops> - In partnership with the WI K-12 Energy Education Program (KEEP), Wisconsin KidWind is looking to host several Educator Workshops around the state August – October, 2022. In these workshops we'll review electricity basics, design and test blades in a wind tunnel, explore solar dashboards with inquiry questions, preview ready-to-use curriculum for integrating renewable energy into your lessons and more. You can request to have a workshop in your area.

- AP Summer Institute @ UW-Madison - online and in-person

<https://place.education.wisc.edu/k12-programs/ap-summer-institute> - Do you teach AP Bio, Environmental Sci, or Physics? Are you up-to-date with the test content? First-time teachers and veterans needing a refresher are encouraged to attend. UW-Madison offers both in-person and online AP Summer Institutes. Coverage of the Course and Exam Description as well as labs are part of the week! Both credit and non-credit options are available.

- Play Make Learn Conference @UW-Madison August 8-9

<https://web.cvent.com/event/f0d9395e-fb6a-427c-9fb1-bf2b72d48d5d/summary> - The Play Make Learn Conference promotes high-quality learning opportunities for educators, researchers, developers, designers, foundation leaders, policy makers, museum and library professionals, and school leaders who are dedicated to promoting making, gaming, and playful learning. We aim to engage our audience in cutting-edge learning science ideas and experiences; communicate state-of-the-art design, education, and research; demonstrate new and upcoming games and technology; and network to spark new projects in the following strands: game design and game play, personalized learning, arts integration, making and makerspaces, playful learning, and research/practitioner partnerships.

Resources

- What do we mean by student-centered instruction?

<https://wisdpiscience.blogspot.com/2022/04/what-is-student-centered-instruction.html> - I frequently hear the term "student-centered" used in a way that doesn't connect to authentic

learning opportunities. This article shares some thoughts on how "one-right-answer" assignments in particular are not student centered.

- WSST Newsletter and Membership

https://issuu.com/wsstnewsletter/docs/vol_63_4 - Are you a member of WSST? It's a great community, striving to be even better and support quality science teaching for every student in Wisconsin. This latest newsletter gives you a sample of their work.

- Articles of note I've read lately

EdWeek - [Culturally-Relevant Teaching](#) today with Gloria Ladson-Billings

ASCD - [Supporting a culture of inquiry among teachers/students](#) - key is questions!

KQED - [Experiential Learning to Fend Off Students' Educational Numbness](#)

AAAS - [How I Learned to Teach Like a Scientist](#) [Does their Work]

Spencer Foundation - [7 Strategies for Peer Feedback](#) (students often don't know how to work in groups)

Kevin J. B. Anderson, PhD, NBCT
Wisconsin Department of Public Instruction
Science Education Consultant
dpi.wi.gov/science
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