



Hello Science Education Leaders,

Today the first draft of the new Wisconsin Standards for Science was released! We welcome your feedback on these standards. You can provide feedback [through this form](#) or at the public hearings, which will be on July 17th in Madison and July 18th in Oshkosh. It would be helpful to have you attend one of those hearings. More details here: <https://dpi.wi.gov/science#standards>.

Below are other 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

- [Elkhorn Mini-Maker Fair](#) - Jan 27, 2018
- [Temporary Curriculum Writing Job for Project Wild](#)
- [Plasma Physics Teacher Workshop and Student Expo](#) - Oct 24, 26, and 27
- [Interested in Hosting a Workshop?](#)

Resources

- [Achieve's New PEEC Tool for Reviewing Instructional Materials](#)
 - [Achieve's New District Workbook for Structuring NGSS Implementation](#)
 - [Teacher Licensing Updates](#)
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Details

Learning Opportunities

- Elkhorn Mini-Maker Fair - Jan 27, 2018

https://docs.google.com/a/dpi.wi.gov/forms/d/e/1FAIpQLSciQXTRFeBFvvcjsjxxQLp8qX9_kAjlxcte_h2Ryo6LH1zCn93Q/viewform?c=0&w=1 - You can share your ideas at tables or through a workshop, attend, or bring your students. This linked form allows you to express interest in participating or attending. All free.

- Temporary Curriculum Writing Job for Project Wild

<https://naaee.org/eeepro/jobs/project-wild-curriculum-writer> - There's a temporary contract position with the Association of Fish and Wildlife Agencies to work on finalizing their Project WILD curriculum. This is something you'd do at home (during all of your free time...).

- Plasma Physics Teacher Workshop and Student Expo - Oct 24, 26, and 27

<http://fused.gat.com/dppoutreach/> - Registration is now open for a FREE science teacher workshop (October 24, 2017) and a plasma science expo for students (October 26-27), sponsored by the American Physical Society Division of Plasma Physics, along with MIT, Princeton University, General Atomics, the University of Wisconsin and more. The teacher workshop is at the Hilton Milwaukee City Center and includes learning about topics such as cosmology, principles of mechanics, and the electromagnetic spectrum from top researchers. You receive a free plasma globe too! The student expo provides students and teachers the opportunity to learn about plasma and related science by observing hands-on demonstrations and talking with researchers. Make lightning indoors! Operate lasers! Learn about the 4th State of Matter -- plasma, which makes up 99% of the visible universe.

- Interested in Hosting a Workshop?

Throughout the year I'm conducting or supporting teacher workshops on science and STEM topics. I frequently need a place to host these free or low-cost meetings (costs would only be to cover food). If you're interested, let me know your contact info, and the size/layout of your space. For example, I'm looking to set-up a location for a grades 4-8 workshop on teaching simple machines and alternative energy through robotics this fall.

Resources

- Achieve's New PEEC Tool for Reviewing Instructional Materials

<https://www.nextgenscience.org/news/primary-evaluation-essential-criteria-ngss-instructional-materials-design> - Achieve just released a revised tool, Primary Evaluation for Essential Criteria, for reviewing instructional materials. The intent is supporting educators in determining whether the materials are truly "designed" for NGSS, not just "aligned" to content or some practices. This is an in-depth, PD-heavy tool, but to truly understand the NGSS it will take some work. Let me know if you want to see the other instructional materials review tool a group created here in WI.

- Achieve's New District Workbook for Structuring NGSS Implementation

https://www.nextgenscience.org/sites/default/files/FINAL%20District%20Implementation%20Workbook_0.pdf - Transitioning to the NGSS takes careful planning and thoughtful structures. This new workbook from Achieve provides ideas on guiding this process.

- Teacher Licensing Updates
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<https://dpi.wi.gov/tepd/changes-licensure-rules> - A new emergency rule for educator licensing has been proposed. It does not include the shift to one K-12 science license, which I brought up in a previous email. It does lay out the idea of districts being able to create pathways for their teachers to add additional licenses. A second emergency rule is expected this fall that will more directly touch on science, and this website will list updates.

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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