



Hello Science Education Leaders,

Welcome back to school! I hope your final days of preparation are going well. Here are a few science education resources and opportunities to start the new year. If you have announcements to share about science or STEM-related professional learning and resources, please send them my way for the next edition, which will come out in mid-September. A record of these emails can be found on my website: dpi.wi.gov/science/social-media.

Cheers,
Kevin

Learning Opportunities

- [Knowles Teaching Fellowship Webinar](#) - Aug 28th
- [Field Day Lab](#) - HS Science Game Design Fellowship
- [Wisconsin Science Festival](#), Host an event! - Oct 11-14

Resources

- [Free Binoculars for Doing Citizen Science](#) - from Cornell Ornithology - apply by Oct 1
- [Year in Science Assessment](#) - Secondary example

Student Opportunities

- [2019 Aviation Design Challenge and Women in Aviation](#)
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Details

Learning Opportunities

- Knowles Teacher Fellowship Webinar - Aug 28th

The [Knowles Teacher Initiative](#), formerly the Knowles Science Teaching Foundation, is seeking applicants for their 2019 Cohort of Teaching Fellows. Each year, they award approximately 35 Fellowships to early-career high school biology, chemistry, physics and mathematics teachers. Through our signature program, the [Knowles Teaching Fellows Program](#), we support our Fellows in their efforts to develop teaching expertise and lead from the classroom. Webinar: Tuesday, August 28, 2018, 4:00 pm EDT, <https://zoom.us/j/239931818>

- Field Day Lab - HS Science Game Design Fellowship

[Field Day Lab](#) is looking for high school teachers to help build a new game based in current research in bioenergy, water and farming. Teachers accepted into the program will join a team comprised of educators, expert game designers, and UW engineers. This fellowship involves a 1-day design session, Oct 4th, at UW-Madison and a commitment to testing the game with students in your classroom (across 2-3 iterations) during the 18-19 school year. We will provide a \$100 stipend (and a travel scholarship for those who need it). Applications are due September 7, 2018.

- Wisconsin Science Festival - Oct 11-14

<https://wisconsinsciencefest.org/host/> - It's not too late to sign up to host an event connected to the Wisconsin Science Festival! Consider an open house, a community science project, etc., and you can have it listed on the Science Festival website and receive some free promotional materials. State Parks are also looking for school and community groups to do service activities during the festival - contact Wes Marner for more information - WMarner@morgridge.org.

Resources

- Free Binoculars for Doing Citizen Science - from Cornell Ornithology - apply by Oct 1

<http://www.birdsleuth.org/binocular-giveaway/> - A new binocular giveaway was just released by the Cornell Lab of Ornithology for any classroom teacher interested in participating in citizen science. All U.S. K-12 teachers are eligible to get 10 high quality binoculars to help them share their observations to a citizen science project. Deadline to apply is October 1. Further citizen science opportunities can be found on this website: <https://dpi.wi.gov/science/science-fairs/project-ideas>

- Year in Science Assessment - Secondary example

[Year in assessment](#) - This document provides a yearlong overview of some important assessment events and ideas for a high school science class using the WSS or NGSS. It would also apply to middle school and would have some applicable elementary ideas. Soon, it will be embedded into a DPI strategic assessment module, but I wanted to share in case you have any suggestions!

Student Opportunities

- 2019 Aviation Design Challenge

<http://bit.ly/2idxzkF> - The General Aviation Manufacturers Association (GAMA) hosts an annual competition to promote STEM skills in U.S. high school students through aviation curriculum and a virtual fly-off. Registration is now open for the 2019 Aviation Design Challenge. The competition is open to the first 150 high schools that enter. The competition is free – they provide a curriculum and software through a partnership with Fly to Learn and X-Plane. The winning team receives an all-expenses-paid trip to experience general aviation manufacturing firsthand. On a similar note, there is a Women in Aviation group starting in Madison, with a first meeting on Sept 13th at Colectivo Coffee in downtown Madison - [details here](#). They sponsor a Girls in Aviation Day too for students that you could find out more about.

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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