

Fermilab: Bringing Science Education to You
Education Program E-Alert — SPECIAL Summer 2020
Calendar • What we're planning • From the TRC
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Fermilab is America's premier particle physics and accelerator laboratory and the accelerator-based neutrino research capital of the world. Fermilab is committed to supporting education and public outreach. We invite you to explore our ever-growing and evolving science, technology, engineering, and math (STEM) education programs and outreach. Our programs will get students interested and engaged in science and will support teachers in meeting the goals of the Next Generation Science Standards (NGSS). Connect with us today!

We hope you are staying safe and healthy. Fermilab is currently closed to the public. However, we are working on making as many of our resources and programs as possible available online. We will be making many of our programs virtual, including the STEM Career Expo and many of our summer programs for teachers. All of this is noted next to the event descriptions.

Visit our website – <http://ed.fnal.gov>

For more details on programs, follow any of these links from the home page:

"**Quick Links to Programs**" links to "**Teacher Workshops**." Use the "**Calendar**."

"**Search Programs**" lets you set the parameters for programs of interest to you.

Use the "**Educators**" tab or **follow the links** listed below.

Spread the word to your colleagues.

Find interesting opportunities and resources in the Fermilab Education Office E-Alert newsletter. E-mail sdahl@fnal.gov to be added to or deleted from our mailing list.

Calendar

For Families

Online Now

Activity Resources from *sciencelines*

Family Science and 5E Lessons

Interactive prairie field guides and searchable databases

Coming Soon!

[Virtual Tour of Fermilab](#) to become available in June

Summer Science Adventure classes – Canceled

[Outdoor Family Fair](#) – Postponed until further notice

For High School Students

Online Now – [Science, Technology, Engineering and Mathematics High School Career Expo](#)

For Teachers

July 30 - Rethinking Life Science for the 2020-2021 School Year (grades 1-12) – Webinar is FREE.

[Click here to register.](#)

Status of Summer Teacher Workshops

Online workshops - Registration is free and graduate credit is available.

July 13–17 – [Beauty and Charm](#) (grades 6–9)

July 13–17 – Summer Secondary Physics Institute: [Modern Physics, NGSS, and Fermilab](#)

July 20–21 – [Phriendly Physics](#) (grades K–2)

July 20–24 – Summer Secondary Physics Institute: [Engineering Applications](#)

July 22–24 – [Phriendly Physics](#) (grades 3–5)

July 27–28 – Summer Secondary [Chemistry Institute](#)

Click [here](#) to register.

In person workshops - canceled.

June 15–17 – [Science Storylines of the Prairie](#) (grades 3–5)

June 18–19 – [Insects at Work in Our World](#) (grades 1–2)

June 22–26 – Summer Secondary [Biology Institute](#)

July 27–31 – [Energy and Ecosystems: Prairie, Water and Woods](#) (grades 6–9)

What we're planning

STEM (Science, Technology, Engineering and Mathematics) High School [Career Expo](#)

<https://ed.fnal.gov/programs/careerfair/>

[Five STEM Panel Videos Online NOW!](#)

High school students are invited to hear directly from scientists, engineers and technical professionals about their journey to their STEM career. Although the on-site STEM Career Expo was not held, we did not want to miss the chance to share the stories of twenty-five professionals covering several STEM pathways. See the program page to discover practical and useful STEM resources and links to the videos of the featured professionals. Submit a question by using the question form. The expo is a collaborative event organized by the Fermilab Office of Education and Public Outreach and educators and career specialists from area schools. Sponsors include [Fermilab Friends for Science Education](#) and DuPage, Kane, and Kendall County schools.

Family Science and 5E Lessons Online Now

<https://ed.fnal.gov/home/families.shtml>

For use in your remote classroom or for families learning science together at home, we developed several weeks worth of 5E organized lessons on physical science and on aspects of the prairie through themes such as seeing the unseen, measurement and data analysis, all things which can be done at home. We include resources for parents about exploring science with their children.

Rethinking Life Science for the 2020-2021 School Year – Webinar is FREE. Register NOW!

https://eddata.fnal.gov/lasso/program_search/show_workshops_catalog.shtml

Virtual, Blended or In School teaching, could you use some inspiration for your grade 1-12 life science units in the 2020-2021 school year? Join master teachers, ecologists and education facilitators for inspiring activities and thought provoking stewardship projects to put a spark in your plans for next school year. Attend free, receive professional development credits and free resources. Meet new colleagues and join this new life science learning community on Thursday, July 30, 2020.

From the Teacher Resource Center – What we're reading...

The NSTA Atlas of the Three Dimensions, National Science Teachers Association, 2020. Use this valuable resource to help visualize learning progressions through grades and content relationships within the Next Generation Science Standards.

A New Reality, Getting Remote Learning Right, Educational Leadership Special Report, ASCD, 2020. Nicely put together practical advice on all topics related to remote teaching and learning. Topics include assessment, building community, cyber issues and families.

The Teacher Resource Center has an ever-growing, up-to-date collection of materials at all grade levels. Search the online catalog and create a clipboard of your selected topical searches.
<http://ed.fnal.gov/trc>

Like the [Fermilab Education Office Facebook Page](#).

If you are a Facebook member, you'll receive updates from us if you "Like" our page. Join a group. When logged into Facebook, go to the top search box and search for "Fermilab Teacher Resource Center" and click "Ask to Join Group" on the top right. As a member, you can read and post questions and comments to the other members of this group. You can also have online chats with other members of the group. We may add groups in the future for other areas of interest.

Follow us on Twitter **@FermilabEd**

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