

SUNRISE to SUNSET



U.S. DEPARTMENT OF  
**ENERGY**

**NATIONAL  
LABORATORIES**

# Earth Day Event

## Schedule

● For grades K-8

● For grades 9-12

Time (Eastern)	Activity	Description
8:30 AM	Opening and Welcome	Join us for a special welcome and overview of Earth Day with the National Labs.
8:45 AM	Here Comes the Sun	Kick-off Earth Day by taking a close-up look at the Sun through a telescope! We'll give a brief overview of Jefferson Lab, followed by a talk about astronomy, telescopes and the Solar System.
9:15 AM	Virtual Tour of the National Energy Technology Laboratory (NETL)	Tour NETL's nation-wide facilities striving to ensure affordable, abundant and reliable energy while developing technologies to manage carbon and enable environmental sustainability.
10:00 AM	Reduce, Reuse, Recycle with Argonne National Lab	Learn about ways you can recycle materials and create a more sustainable home with this at-home activity.
10:30 AM	Science Education Plasma Demos with Shannon Swilley Greco & Arturo Dominguez	Plasmas are Everywhere! Learn about all the plasma around in our everyday lives through interactive demos with scientists.
11:15 AM	Energy, Climate, CO2 & You	Stephen E. Schwartz, atmospheric scientist at Brookhaven Lab, presents an interactive talk designed for elementary and middle school children and their families.
12:00 PM	<b>A Day in the Life: Researchers at National Labs</b>	<b>Join us for a moderated panel with national laboratory researchers. Learn about their career pathway and the work they do now. (Multi-Lab Event)</b>
12:45 PM	Virtual Tour with Fermi National Laboratory	From the mysteries of space, and time to advanced materials, supercomputing, and nuclear science; come get a closer look at the tunnels and spaces that lead to solutions in Illinois.
1:30 PM	Build Your Own Solar Oven with Sandia Labs	Visit the National Solar Thermal Test Facility (NSTTF) and build your own solar oven with Sandia Engineers.

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Time (Eastern)	Activity	Description
2:15 PM	Renewable Energy Demonstration: Creating Wind Energy with NREL	Learn how researchers turn the energy of wind and water into electricity! Join NREL educators in creating your own wind turbine with basic materials.
2:45 PM	Carbon Flux and Mercury Speciation Q&A	Learn about carbon fluxes, new technological advances in detecting mercury, and the work of scientists in South Carolina from Savannah River National Laboratory.
3:15 PM	<b>Ask a Scientist with the National Labs</b>	<b>Have questions about the environment or research at the National Labs? Ask here! (Multi-Lab Event)</b>
4:00 PM	Flooded Classroom: A Virtual Exploration of a Coastal Ecosystem	Explore coastal ecosystems via an engaging virtual activity with Pacific Northwest National Laboratory researchers.
4:30 PM	Dive into Recycling with the BOTTLE Consortium	Learn how biocatalysts work to break down plastics with this video from the BOTTLE consortium. Scientists will be available to answer questions from the participants.
5:15 PM	Automated Driving in the CAVE lab	Come explore the future of automated driving in DOE's only designated user facility focused on performing early-stage research and transportation technology development.
5:45 PM	Energy and the Environment	Join scientists from LLNL as they give selected presentation highlights on topics including the role of microalgae in global carbon cycling, fusion energy, and climate modeling.
6:30 PM	Unveiling BioEPIC: The Collaborative Future of Research in Biological and Environmental Processes	Learn about BioEPIC, the newest research facility at Berkeley Lab and how the LEED-certified space will bring together biologists and earth and environmental scientists into teams for solving pressing environmental problems.
7:15 PM	Earth Day Sunrise Ceremony	Our Sunrise-to-Sunset celebration concludes with a traditional sunrise ceremony to honor Earth Day. INL will host tribal elders, neighbors and partners, the Shoshone-Bannock Tribes for this collaborative project.
8:00 PM	Closing	

