ITEP Earth Day

Resources from ITEP to help students and parents celebrate Earth Day from home.

[In-Home Learning: Environmental Education Resources Online!](https://www.epa.gov/sites/production/files/2020-03/documents/r10_healthy_schools_news_april2020.pdf)

In-home learning is on-trend! Let us help. Here are links to PreK-12 environmental education resources that kids, parents, and teachers can use during school closures. You will find online activities, curricula, storybooks, and more. Some websites offer printable activity sheets to encourage daily learning and fun.

<https://www.epa.gov/sites/production/files/2020-03/documents/r10_healthy_schools_news_april2020.pdf>

[Improve the Environmental Quality of Your Home](https://www.plt.org/family-activity/improve-environmental-quality/)

With the COVID-19 Pandemic people have been spending more time indoors. Indoor pollutants can cause headaches, dizziness, nausea, fatigue, dry or runny eyes, congestion, and sore throats. They can also increase the symptoms of asthma. Learn about the many simple things that you can do to improve the health of your home.

<https://www.plt.org/family-activity/improve-environmental-quality/>

[AirNow for Students](https://www.airnow.gov/education/students/)

Clean air, land, and water help keep us healthy. The EPA works with state environmental agencies to keep the air clean. Many tribal environmental offices take samples of the air to see if the air is dirty or clean.

<https://www.airnow.gov/education/students/>

[Learn to Compost](https://www.epa.gov/recycle/composting-home)

Turn your yard waste and food scraps into organic “black gold” by learning how to compost. You can add this rich organic material to gardens to help plants grow. According to the Environmental Protection Agency (EPA), food scraps and yard waste make up about 30% of household waste.

<https://www.epa.gov/recycle/composting-home>

[Learn about Vermiculture](https://www.epa.gov/recycle/how-create-and-maintain-indoor-worm-composting-bin)

A worm composting bin, known as a vermicomposter, can be fairly inexpensive and easy to maintain. There are several ways to vermicompost. This website provides instructions on how to build one kind of worm composting bin designed to be used inside. You will want to put your bin in an indoor space as you do not want the worms to freeze in the winter or get too warm in the summer.

<https://www.epa.gov/recycle/how-create-and-maintain-indoor-worm-composting-bin>

[Water Quality Backyard Activity Guide](https://www.neefusa.org/resource/water-quality-backyard-activity-guide)

Explore the topic of water quality in your area! With activities to do both on and off the worksheet, it's perfect for your next environmental investigation. You can use this activity guide at a park (remember to practice “social distancing”) or at home. One of the activities is a personal favorite – the “Cabbage Water Test”.

<https://www.neefusa.org/resource/water-quality-backyard-activity-guide>

[Learn about Energy in Your Home](https://www.neefusa.org/weather-and-climate/climate-change/five-ways-learn-about-energy)

This website will help you understand the concept of energy, how it works, and the role it plays in the world around us. This resources and activities will help foster a strong connection between students and energy.

<https://www.neefusa.org/weather-and-climate/climate-change/five-ways-learn-about-energy>

[What is Climate Change?](https://www.youtube.com/watch?v=Sv7OHfpIRfU)

Global warming is the ongoing rise of the average temperature of the Earth’s climate system and has been demonstrated by both direct temperature measurements and observations of the effects of the warming.

<https://www.youtube.com/watch?v=Sv7OHfpIRfU>

# [Climate Change 101 with Bill Nye](https://www.youtube.com/watch?v=EtW2rrLHs08)

Climate Change is a real and serious issue. In this video Bill Nye, the Science Guy, explains what causes climate change, how it affects our planet, why we need to act promptly to mitigate its effects, and how each of us can contribute to a solution.

<https://www.youtube.com/watch?v=EtW2rrLHs08>

[ClimateKids from NASA](https://climatekids.nasa.gov/climate-change-meaning/)

Climate change describes a change in the average conditions — such as temperature and rainfall — in a region over a long period of time. NASA scientists have observed Earth’s surface is warming, and many of the warmest years on record have happened in the past 20 years.

<https://climatekids.nasa.gov/climate-change-meaning/>

If you are a teacher in a school serving Native American students contact mansel.nelson@nau.edu to learn about additional opportunities for learning about and monitoring air quality.

If you are a teacher in a school serving Native American students in the state of Arizona contact mansel.nelson@nau.edu to learn about additional opportunities for learning about and monitoring water quality.

For additional environmental education resources, contact mansel.nelson@nau.edu.