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(Oli Scarff/Getty Images)

How YouTube Can Supplement Lesson Plans

Online lessons can be enriched and supported with YouTube videos such as those produced by NASA. Though not a substitute for teaching, the videos are great supplements. [Read more.](#)

Repurposing of Federal Funds for Ed Tech and PD in Favor of Distance Learning

The U.S. Department of Education announced that states may “apply” for flexibility in using parts of Title I, II, III, IV and V of the Elementary and Secondary Act to [support technology infrastructure and teacher professional development](#) given the recent shift to distance learning.

How Effective is Online Learning? What the Research Does and Doesn't Tell Us

Can online lessons replace in-school time? Online time cannot provide many of the informal social interactions but how online courses do in terms of moving student learning forward is an important question. To learn more, click [here](#).



Upcoming Events and Opportunities

Looking for a New Way to Engage Learners?

Eligible K-12 teachers who have implemented lessons about social responsibility while remotely conducting class may apply for a grant to purchase technology equipment for your students. [Applications](#) are due Monday, August 3, 2020.

Exelon STEM Academy

Know a female high school student currently in grades 10 or 11 and who is interested in STEM? Encourage her to [apply](#) for the free week-long, overnight STEM leadership program held at IIT, Chicago. Applications are due April 22, 2020.

Earth Day, April 22, 2020

Celebrate the 50th Anniversary by exploring some of these resources that can be used or adapted for distance learning lessons.

[NASA](#) resources

Legends of Learning [online games](#)

[Interactive Sites](#) for Education

[Science Buddies](#)

NEA Earth Day Curriculum Resources for Grades [K-5](#), [6-8](#), [9-12](#)

Environmental Protection Agency - [Resources and Ideas](#)

Earth Day [Daily Challenges](#)

Exploratorium's [Virtual Earth Day](#) and more

Siemens Possibility Grant Sweepstakes

Teachers can win \$10,000 for their Title I schools to build and equip a top-tier STEM lab. [Enter daily](#) through April 28.

Resources

Morton Arboretum Offers Nature-Based Home Learning Resources

Explore Arboretum [online learning resources](#) for all ages, and take advantage of these opportunities to continue connecting with trees and nature from home.

STEM Supplies Blog

Review curated quality [resources](#) that support distance learning implemented by teachers, parents or guardians. Also take a look at the additional resources in [STEM Universe](#) and these [activities](#).

NSTA Daily Do List

Want to incorporate phenomena-based learning but need some guidance? [Here](#) are some ideas about using phenomena to fuel use of science and engineering practices that work even in distance learning environments.

A Bowling Ball and a Feather Fall to Earth at the Same Rate. Really?

In the 15th century, Galileo discovered that any object falling to earth falls at the same rate, when correcting for air resistance. Though he had difficulty explaining it, several centuries later [this demo](#) provides evidence.

STEM Career Bingo

Make a fun assignment out of [STEM Career Bingo](#), which also works well with remote learning and as a family activity.

STEM Career Remote Learning Assignment

Consider a STEM career [project](#) that integrates numerous standards and content areas. This is a research project that can be scaled by grade level to make it something short enough and doable enough for students at home.

National Girls Collaborative Project

Explore the [online learning opportunities](#), and they are not just for girls!

NSTA Offers Online Learning Books and Read Alouds

Take advantage of this offer from NSTA – a free [temporary license](#) to access these materials through June 30, 2020.

California Academy of Sciences Films

Choose from the [video vault](#) or [science films for the classroom](#).

STEM Careers

Show students what engineers do with Discovering You: Engineering Your World, a new video series from NBCLearn, Chevron, and ASEE. [Learn more.](#)