



USC Viterbi
(<http://viterbi.usc.edu/>)



([http:](http://)

K-12 STEM CENTER (/)

Online Educational STEM Resources



Browse these high-quality STEM resources for families, students, and teachers. Click the links to discover fun STEM lessons, videos, podcasts, and more.

Code.org



(<https://code.org/>)

Code.org

Self-guided courses for K-12 students to learn coding

For Grades: K and up



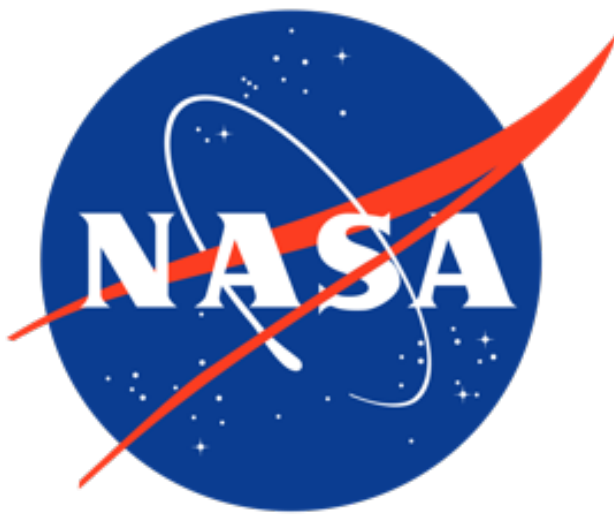
(<https://bostonchildrensmuseum.org/learning-resources/parent-educator-resources>)

Boston Children's Museum

(<https://bostonchildrensmuseum.org/learning-resources/parent-educator-resources>)

The site features a list of "100 ways to play" as well as downloadable e-books full of STEM activity ideas

For Grades: PreK-3



(https://www.nasa.gov/kidsclub/index.html#.VYmm2GTF_fZ)

NASA Kids' Club

NASA's safe place for children to play as they learn about NASA and its missions (STEM games, image galleries, and activities)

For Grades: PreK-4



(<https://www.exploratorium.edu/education/designing-teaching-learning-tools>)

Exploratorium

(<https://www.exploratorium.edu/education/designing-teaching-learning-tools>)

Fun STEM apps, games, and activities for the curious

For Grades: K and up



(<https://www.pbs.org/parents/>)

PBS KIDS Parents

Activities for families of young children on a variety of subjects, including STEM topics, to do together in the home

For Grades: PreK-3



(<http://www.discovere.org/our-activities>)

Discover Engineering (<http://www.discovere.org/our-activities>)

Cool content and activities to practice problem-solving and learn more about engineering

For Grades: K and up



(<https://www.nasa.gov/multimedia/nasatv/index.html#public>)

NASA TV

(<https://www.nasa.gov/multimedia/nasatv/index.html#public>)

NASA TV airs a variety of programming, like views of the Earth from the International Space Station, replays of mission operations, or episodes of produced programs

For Grades: Middle and High School



(<https://ed.ted.com/>)

TED Ed (<https://ed.ted.com/>)

Explore videos on a variety of subjects, including STEM topics, or create and share your own!

For Grades: K and up



(<https://zoo.sandiegozoo.org/live-cams>)

San Diego Zoo (<https://zoo.sandiegozoo.org/live-cams>)

Live animal webcams plus resources to learn more about the animal

For Grades: All Ages



AT-HOME LEARNING

A CALIFORNIA PUBLIC EDUCATION PARTNERSHIP



PBS
SOCAL

KCET

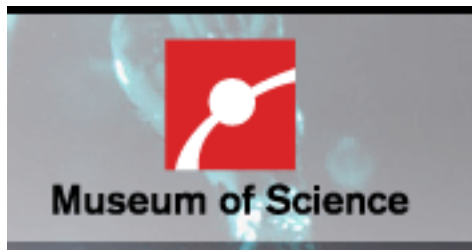
KLCSO

(<https://www.pbssocal.org/pbs-news/at-home-learning/>)

PBS SoCal At-Home Learning (<https://www.pbssocal.org/pbs-news/at-home-learning/>)

PBS SoCal and LAUSD have partnered up to provide educational programming to students of all ages

For Grades: All Ages



(<https://www.mos.org/museum-online>)

Museum of Science - Museum Online
(<https://www.mos.org/museum-online>)

Digital exhibits, videos, and audio presentations all about science

For Grades: K and up



Jet Propulsion Laboratory
California Institute of Technology

(<https://www.jpl.nasa.gov/edu/teach/activity/stem-activities-for-families/>)

NASA's Jet Propulsion Laboratory

(<https://www.jpl.nasa.gov/edu/teach/activity/stem-activities-for-families/>)

STEM activities for families

For Grades: K and up



(<https://pbskids.org/scigirls/>)

SciGirls (<https://pbskids.org/scigirls/>)

Fun videos and games with the purpose of getting middle school girls excited about STEM

For Grades: Middle School



(<http://students.egfi-k12.org/>)

eGIF (<http://students.egfi-k12.org/>)

A blog for students to learn about the latest and greatest in engineering

For Grades: K and up



(<https://www.skypeascientist.com/>)

Skype a Scientist (<https://www.skypeascientist.com/>)

Provides students around the world the chance to talk to a scientist
(now for families as well as classrooms)

For Grades: All Ages



(<https://www.nationalgeographic.org/education/>)

National Geographic

(<https://www.nationalgeographic.org/education/>)

Videos, activities, articles for all ages plus the opportunity to talk to
scientists live from their labs

For Grades: All Ages



(<https://corporate.charter.com/newsroom/charter-to-offer-free-access-to-spectrum-broadband-and-wifi-for-60-days-for-new-K12-and-college-student-households-and-more>)

Free Charter Internet

(<https://corporate.charter.com/newsroom/charter-to-offer-free->

access-to-spectrum-broadband-and-wifi-for-60-days-for-new-K12-and-college-student-households-and-more)

In response to the surge in remote learning, Charter is offering free Wi-Fi for families with K-12 students for 60 days

For Grades: K and up



(https://docs.google.com/document/d/e/2PACX-1vSZhOdEPAWjUQpqDkVALJrFwxxZ9Sa6zGOqoCNRms6Z7DZNq-tQWS3OhuVCUbh_-P-WmksHAzbsrk9d/pub)

Khan Academy (https://docs.google.com/document/d/e/2PACX-1vSZhOdEPAWjUQpqDkVALJrFwxxZ9Sa6zGOqoCNRms6Z7DZNq-tQWS3OhuVCUbh_-P-WmksHAzbsrk9d/pub)

Free online lessons with grade-level schedules to help structure at-home learning

For Grades: All Ages



(<https://www.vpr.org/programs/why-podcast-curious-kids#stream/os>)

But Why?

A podcast for curious kids where kids ask the questions

For Grades: Elementary



(<https://www.npr.org/podcasts/510321/wow-in-the-world>)

Wow in the World (<https://www.npr.org/podcasts/510321/wow-in-the-world>)

This podcast, produced by NPR, discusses the latest news in science and technology in a way that's enjoyable for kids and informative for grown-ups

For Grades: Elementary



(<https://www.brainson.org/>)

Brains On (<https://www.brainson.org/>)

This podcast answers kids' questions with the help of experts

For Grades: Elementary and Middle School

TUMBLE

(<http://www.sciencepodcastforkids.com/>)

Tumble (<http://www.sciencepodcastforkids.com/>)

This podcast fosters a love of science by conducting kid-friendly interviews with scientists about their discoveries

For Grades: Elementary and Middle School



(<https://mysteryscience.com/school-closure-planning>)

Mystery Science (<https://mysteryscience.com/school-closure-planning>)

Free science lessons utilizing every-day materials you can find at home

For Grades: Elementary



(<https://classroommagazines.scholastic.com/support/learnathome.html>)

Scholastic's Learn at Home

(<https://classroommagazines.scholastic.com/support/learnathome.html>)

This resource provides 20 days of learning on a variety of topics through articles, stories, videos, and more

For Grades: PreK through Middle School

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Partnerships

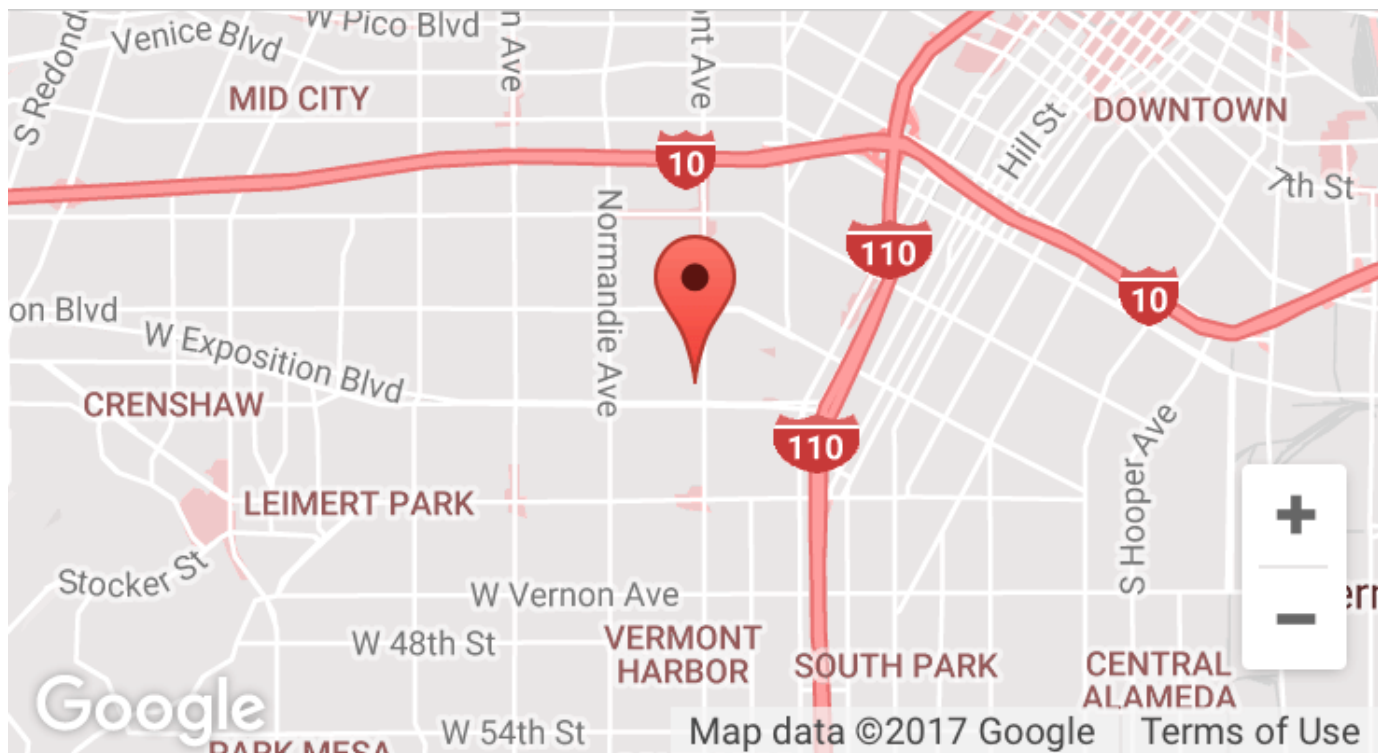
Programs

Research

Code Dojo

STEM Spotlight

Robotics Open House



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K-12 Outreach