

Name of Website	URL Link	Pros of website	Cons of Website	This would be good for
Endeavor STEM @Home	<a href="https://sites.google.com/view/endeavorstemathome/home">https://sites.google.com/view/endeavorstemathome/home</a>	1. provides a plethora of resources (links to websites, presentations, lesson/project ideas and instructions, etc) in categories including NASA Resources, Grade PK-5 Resources, Grade 6-12 Resources, Online Learning Tools, Engineering Design, Coding, Virtual Field Trips, Attending to Equity, Webinars, Videos	1. you could spend hours on this website...just playing around for fun...and forget you are supposed to be working on a lesson plan	1. STEM
		2. free and at your fingertips with almost everything done for you		2. involving families in activities and learning. especially if on a hybrid or online schedule
		3. highly engaging and hands-on		3. group work, particularly when school is in session
Mystery Science	<a href="http://mysteryscience.com">mysteryscience.com</a>	There are icons that allow quick identification.	I didn't see any flaws.	This would be good for my class. They do not like science, but this is way more engaging than most of the science stuff that I have done.
		Lessons have already been made.		This would be good if we go virtual.
		The lessons were made by teachers and are aligned with Common Core, which is what we basically have.		
		It looks interesting.		
		It's free.		
		The lessons have videos and questions included.		
		It is easy to use at home if they aren't at school.		
H2O for life	<a href="http://h2oforlifeschools.org">h2oforlifeschools.org</a>	Helps student understand the importance of water and crisis in different parts of the world	students don't internet	show importance of clean water
Anatomy Clay	<a href="http://anatomyinclaycenters.org">anatomyinclaycenters.org</a>	Gives Students 3 D images of Animals	must have internet access to take advantage of these resource	Students hands on-learning Students enjoy making things in their classroom.
Island Press	<a href="https://islandpress.org/">https://islandpress.org/</a>	Excellent resources for environmental awareness.	Its a non-profit organization, so keeping it up and running is a challenge.	Island press offers several books for the students to read.

Twig education	<a href="http://www.twigeducation.com">www.twigeducation.com</a>	k-12 science world wide it has many awards	science only	science teachers
Extreme Earth	<a href="https://cesium.com/ion/stories/viewer/?id=948f457c-bb63-4594-8fb6-7f62faa56a29">https://cesium.com/ion/stories/viewer/?id=948f457c-bb63-4594-8fb6-7f62faa56a29</a>	free great images good info great graphics fun	tools were a little complicated	all science teachers
Google Science Journal	<a href="https://sciencejournal.withgoogle.com/">https://sciencejournal.withgoogle.com/</a>	Free Allows students to turn multiple devices into something that can measure scientific experiments Step by step walkthroughs for how to perform experiments with your device Prompts children to think of experiments they can do on their own	A device is needed such as a smartphone or tablet or computer	Teachers to use in classroom Students to use at home
Space Foundation Discovery Center	<a href="https://www.discoverspace.org/">https://www.discoverspace.org/</a>	Gives downloadable lesson plans for all ages Has some e-learning and video for all ages	Website is mostly advertisements and information about visiting the discovery center	All science teachers
Next Generation Scientific Storylines	<a href="https://www.nextgenstorylines.org/">https://www.nextgenstorylines.org/</a>	Provides tools to teachers. Gives a sequence of lessons in which each step is driven by their questions Has a plethora of talks and papers on how to engage students of all ages.	Not alot of middle school sotrylines are available.	All science teachers
Veritasium	<a href="https://www.veritasium.com/">https://www.veritasium.com/</a>	Science, Math, and Engineering Videos Interesting, sometimes cutting edge	Very little downside.	High School and Middle School Science
Generation Genius	<a href="https://www.generationgenius.com/">https://www.generationgenius.com/</a>	Science Videos and Lessons	\$120 per year for classroom	K-5
Arbor Scientific	<a href="https://www.arborsci.com/">https://www.arborsci.com/</a>	Supplies and Lab Equipment for Science	Very Little downside	K-12 Science

BioRad Explorer	<a href="https://www.bio-rad.com/">https://www.bio-rad.com/</a>	Life Science/ Biology Classroom Resources	Most resources are for purchase	Middle and High School Science
Chem Matters	<a href="https://www.acs.org/content/acs/en/education/resources/highschool/chemmatters.html">https://www.acs.org/content/acs/en/education/resources/highschool/chemmatters.html</a>	Magazine that helps high school students find connections between chemistry and the world around them.	Some free resources, some subscription based	High School Chemistry and Science
Lab XChange	<a href="https://www.labxchange.org/">https://www.labxchange.org/</a>	Free science content from leading educational institutions	Sponsored by Amgen, little downside	Middle and High School Science
Science News	<a href="https://www.sciencenews.org/">https://www.sciencenews.org/</a>	Daily news articles, feature stories, in all disciplines of science	Some content is subscription based.	Middle and High School Science
ULXplorlabs	<a href="https://ulxplorlabs.org/">https://ulxplorlabs.org/</a>	Content, videos, and lab activities for middle school science	Little downside	Middle School Science
American Museum of Natural History	<a href="https://www.amnh.org/">https://www.amnh.org/</a>	Allows for virtual tours of exhibits with an accompanying worksheets for a fee  Good information on Covid-19 for students of all ages  Links to a childrens website named Ology that holds great information on a variety of topics and includes hands on experieiments, educational games, stories and videos for free. Best suited for elementary and middle school students.  Has a video section with information on a variety of topics that are easily sorted by topic	Most information and exhibits are behind a paywall.  Most information on topics are related to the research being done by the museum	Middle and High School Science teachers. The website Ology is best for Elementary and Middle School students
Pitsco	<a href="http://www.pitsco.com">www.pitsco.com</a>	Great resources for STEM programs and for advance learners	Might be difficult for students with orthopedic impairments or fine motor skills	hands on experiences which makes it easier for students to learn
Generation Genius	<a href="https://www.generationgenius.com/">https://www.generationgenius.com/</a>	Online science videos and lessons.	Try it for free, but cost involved eventually.	K-5

Phet	<a href="https://phet.colorado.edu/">https://phet.colorado.edu/</a>	1. Covers a huge range of topics across grades and accomplishes in the browser that might otherwise require tons of time and lab equipment.	5. Not as compelling as real world simulations, the design is somewhat dated. 6. Many tools require Java.	7. Beneficial to students who need help with science and math.
		2. You need no login or account.		
		3. Simulations are easy to use.		
		4. has a tip center and help center in Science and math.		
SEP UP	<a href="http://Sepuplhs.org">Sepuplhs.org</a>	1. Middle and High School issued orientated science. 2. Uses personal and societal issues to provide thematic continuity for student investigations and observations.	5. Students must have some prior knowledge.	6. Benefits students who are studying environmental issues.
		3. Engages students in the process of learning science		
		4. Helps to educate tomorrow's citizens about the application of science to everyday life.		
Science Buddies	<a href="https://sciencebuddies.org">https://sciencebuddies.org</a>	1. free 2. lesson plans already made 3. stem classroom kits 4. google classroom integrated 5. lots of teaching tools	1. might get a little confusing to navigate	k-12 grade