

STEM Resources MACUL

A central repository of information for all sites STEM

<https://drive.google.com/open?id=0B9cu26tEVaGNTIZUQk5Qb3Q4MFk>

Teach Engineering.org

<https://www.teachengineering.org/curriculum/browse?collection=Lessons>

Lesson Plans, Projects and Engineering Games:

www.tryengineering.com

Lesson Plans and Partnered with TryEngineering.com:

www.teacherstryscience.org

Helpful article on 3D Printing in elementary schools:

<http://www.freetech4teachers.com/2015/06/3d-printers-in-elementary-school.html#.Vsxa19BkjHh>

VERY Valuable, FREE simulations!

Phet.colorado.edu

Working to achieve a world-leading education for all young people in science, technology, engineering and mathematics (STEM).

<https://www.stem.org.uk/>

Amazing resources for Engineering projects!!! Great for teachers & volunteers!

www.DiscoverE.org

Connected Science Learning Publication K-12

<http://csl.nsta.org/>

STEM Resources - Challenger Center

https://www.challenger.org/stem-resources/#challenger_lessons

Science Buddies

<http://www.sciencebuddies.org>

STEM MI-Champions Project Gallery

<http://www.leadingpbl.org/w/page/50593674/STEM%20MI-Champions%20Project%20Gallery>

Siemens Science Day's Website has wonderful projects and resources

<http://siemensscienceday.discoveryeducation.com/videoresources.cfm>

EarthEcho International - Helping students become aware of the plight of the world's oceans

<http://earthecho.org/>

Schmidt Ocean Institute Ocean Education Resources

<https://schmidtocean.org/education/ocean-education-resources/>

Best STEM Books 2017 NSTA

<http://www.nsta.org/docs/2017BestSTEMBooks.pdf>

PBS Digital Learning Media Big Structures Building Lab

<http://www.pbs.org/wgbh/buildingbig/index.html>

Exploratorium

<https://www.exploratorium.edu/snacks/snacks-by-subject>

Texas Instruments STEM links

<https://education.ti.com/en/resources/stem>

4 Elements of STEM Education Article

http://blog.discoveryeducation.com/blog/2016/11/03/4-elements-of-great-stem-education/?utm_source=MC&utm_medium=Email&utm_content=GreatSTEMedu&utm_campaign=Content

National Geographic Robots 3D

http://www.nationalgeographic.org/education/robots-3d-education/?ar_a=1

C-PALM STEM Lessons - searchable by grade level

<http://www.cpalms.org/Public/ResourceCollection/Preview/59>

NASA Wavelength Digital Library

<http://nasawavelength.org/>

25 STEM Challenges for MakerSpaces

<http://frugalfun4boys.com/2017/01/20/awesome-stem-challenges/>

Discovery Education STEM 1/17 highlighting Criminal Justice w/ Investigation and Resources

<http://blog.discoveryeducation.com/blog/2017/01/10/discovery-education-monthly-stem-content-highlights-january-2017/>

SparkFun Inventor Space (like Instructables)

<https://invent.sparkfun.com/cwists/category>

Global Design Squad Lessons from PBS Kids

<http://pbskids.org/designsquad/parentseducators/guides/index.html>

LittleBins for Little Hands activities

<http://littlebinsforlittlehands.com/dr-seuss-stem-challenge-cup-tower-stacking-cat-hat/>

ReadWorks STEM Reading Passages

<http://www.readworks.org/rw/technology-engineering-reading-passages>

MonoPrice

www.monoprice.com

STEM to STEAM: Resources Toolkit - From Edutopia

https://www.edutopia.org/stem-to-steam-resources?utm_content=resource-roundup&utm_campaign=stem-steam-resources&utm_source=facebook&utm_medium=socialflow&utm_term=link

Explore Learning Blog

http://blog.explorelearning.com/?mkt_tok=eyJpIjoiTmVVM05EZ3haalZsTWpneCIsInQiOiJsZ2VEeitCYIZNNlIxdDdycWh1Y1J5UFdNN2Yrc0xyWFwvMHc3QzZSRUNXRtFqYXJLM2RmNUE3UDNpdGtKdU1UdnICZ0V2d2Uwd1poNW5ZZVRUU2paV2JOOWFIMGN4VlplJTENtcHNTczlvSzUwRnVmSmpoNG9DV1ZZZjZ1OUhmM2wifQ%3D%3D

Instructional Resources for Earth and Space Sciences - WGBH & PBS Digital Learning Media

<https://dptv.pbslearningmedia.org/collection/buac/>

EarthEcho International STEM Explore - Cabinet of Curiosities

<https://www.stemexplore.org/#main>

Why 3D Print?

<http://www.eschoolnews.com/pdfs/making-their-mark/>

Science Friday Experiments

<https://www.sciencefriday.com/>

Energizing Our Future

<http://energizingourfuture.com/>

Scholastic Earth Day Activities w/ Annedroids

http://www.scholastic.com/create/?eml=SNP/e/20170418/////AmazonAnnedroids/////bodyLink/////&ET_CID=20170418_SNP_AmazonAnnedroids_ACQ_20177&ET_RID=1870086930#annedroids

DiscoverE Global Marathon - Webinars

<http://discovere.org/our-programs/global-marathon>

Exploratorium - Science Snacks

<https://www.exploratorium.edu/snacks>

VR & AR in the Classroom

<https://elearningindustry.com/virtual-reality-augmented-reality-education>

RocketSTEM - Monthly Magazine about Space

<https://www.rocketstem.org/>

MakerEducation

<http://www.makereducation.com/>

Famous Robot and their Connections to STEM

https://www.weareteachers.com/stem-lessons-famous-robots/?utm_source=MDRWAT&utm_medium=email&utm_campaign=article1

Educational Space Resources

<https://drive.google.com/open?id=0B9cu26tEVaGNMWk4N1lveU9CRFU>

Tools for Teachers - STEM - GDCF

<https://drive.google.com/open?id=0B9cu26tEVaGNM2FTVnBidFVZQ2M>

STEM YouTube Channels

https://globaldigitalcitizen.org/15-stem-youtube-channels?mc_cid=c726762839&mc_eid=2eb1ee9ec5

Lemelson-MIT InvenTeams JV Activity Guides

<http://lemelson.mit.edu/search-resources/42>

Lemelson-MIT InvenTeams JV Inventors Guide

<http://lemelson.mit.edu/search-inventors>