**STEM resources: General resources, tools, & kits**

Mass. DOE STEM@Home

A list of resources for parents & teachers, all levels

<https://www.doe.mass.edu/covid19/stem/stem-home-resources.pdf>

LEGO Education

SPIKE & Briq programs for grades K – 5, includes class kits, lessons, etc.

<https://education.lego.com/en-us>

Exploratorium

They offer PD for teachers, plus a bunch of resources including diversity support.

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

Mashup Math

Free math resources for K-9

<https://www.mashupmath.com/#intro>

Science Interactive

Hands-on lab kits, especially good for online courses with a lab component.

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

Robotistan

This company produces kits to use with Raspberry Pi, Arduino, etc. They have a number of educational kits available, and they do sell their products through Amazon. They recently ran a Kickstarter (fully backed) for PicoBricks, which is aimed at STEM educators & frankly looks really cool.

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

<https://www.robotistan.com/educational-maker-kits>

SAM labs/blocks

This is a general coding resource/product, but they focus on accessibility, too.

<https://samlabs.com/us/about-us/how-it-works/>

<https://samlabs.com/us/stem-coding-accessible-all/>

Hand2Mind

Toys, kits, etc. for preK-12. Include lessons, supplemental curriculum, etc.

<https://www.hand2mind.com/products?cat=6%2C57%2C78>

Math & Movement

Math resources store for preK-9 which focuses on combining learning math with movement. Products include counting mats for students to jump on, protractor mats, Cartesian coordinate mats, Periodic table mats, etc.

<https://mathandmovement.com/>

Mystery science

K-5 science lessons

<https://mysteryscience.com/>

National Science Digital Library

General resources.

<https://nsdl.oercommons.org/>

Squishy Circuits

Electrically conducting dough for creating circuits. They have may kits & projects, lessons, etc. They do classroom kits. All ages, they suggest kids under 8 have supervision.

<https://squishycircuits.com/>

Teachers Pay Teachers

Resources developed by teachers for teachers. Generally, there’s a low price, but there are many different types of resources, including design challenges. PreK-12+.

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

Kids Do Ecology

This site includes activities, games, etc.

<http://kids.nceas.ucsb.edu/>

Ask Dr. Universe

A question-and-answer site which students can use.

<https://askdruniverse.wsu.edu/>

Free Virtual Field Trips list

All ages, list of websites for museums, etc. which have considerable information about their collections online.

<https://freedomhomeschooling.com/virtual-field-trips/>

Kiwi

This is a resource mostly for families, kids age 0+, but teachers may find inspiration. They do crate subscriptions, too.

<https://www.kiwico.com/us/store>