

STEM Resources

CK12 - FREE STEM Resources <http://www.ck12.org/student/> and <http://www.ck12.org/teacher/>

Science Net Links <http://sciencenetlinks.com/>

Illuminations - Resources for Teaching Math <https://illuminations.nctm.org/>

National Library of Virtual Manipulatives <http://nlvm.usu.edu/en/nav/vlibrary.html>

eGFI Lessons/Resources Grades 6-8 <http://teachers.egfi-k12.org/category/lessons/grades-6-8-lessons/>

PA Power Library <http://www.powerlibrary.net/Remote/MainR.asp?ID=PL7321>

The Concord Consortium STEM Resource Finder <https://concord.org/stem-resources>

PBS Learning Media <http://www.pbslearningmedia.org/>

Khan Academy <https://www.khanacademy.org/>

The 10 Best STEM Resources - NEA <http://www.nea.org/tools/lessons/stem-resources.html>

Engineer Girl <http://www.engineergirl.org/>

NASA - For Students <http://www.nasa.gov/audience/forstudents/index.html>

NASA - For Educators <http://www.nasa.gov/audience/forstudents/index.html>

The Ultimate STEM Guide for Kids

<http://www.mastersindatascience.org/blog/the-ultimate-stem-guide-for-kids-239-cool-sites-about-science-technology-engineering-and-math/>

STEM Collaborative <http://www.stemcollaborative.org/additionalResources.html>

Dot Diva <http://www.dotdiva.org/>

STEM Works <http://stem-works.com/>

Girls + Math = More STEM Women <http://www.dreambox.com/blog/girls-math-more-stem-women>

iSeek Careers - STEM <http://www.iseek.org/careers/stemcareers>

Math Moves U <http://www.mathmovesu.com/#/home>

STEM Career View <http://vacareerview.org/68/careersq/career-search/results>

Virginia Career View for Middle Grades <http://www.vacareerview.org/68/>

Danica McKellar - STEM Advocate <http://www.danicamckellar.com/math-books/>

YouTube Channels For STEM

Intermediate 3 - 5

[SciShow Kids](#)

*[CrashCourse Kids](#) - just science right now.

[Electric Company](#)

[The New Electric Company](#)

[Sick Science](#) with Steve Spangler: fun science lab activities and lessons

[National Geographic Kids](#)

[National Geographic Wild](#) - Nat Geo Wild is the network all about animals from National Geographic

[Math & Learning Videos](#) - Numbers and math concepts become easier as your kids Learn about Numbers, Addition, Subtraction, Telling time, Place Value and much much more.

[TeacherTube Math](#) - Fractions, Multiplication, Elementary Math, Middle School Math, High School Math, College Math, All subjects regarding math!

Secondary

[Stanford University](#)

[TedED](#) - Ted Education - TED talks for students

[Intelligent YouTube Channels](#)

Science

[SciShow](#)

Earth Science - [Landforms w/ a GoPro](#) - [Moab Towers](#) - wow! [GoPro Channel](#)

[NOVA on PBS](#)

[Spangler Effect](#) - making science fun

[DeepSkyVideos](#) - Exploring deep space - one video at a time.

[Minute Physics](#) - Simply put: cool physics and other sweet science.

[Veritasium](#)- science and engineering videos featuring experiments, expert interviews, cool demos, and discussions with the public about everything science.

[Smarter Everyday](#) - Science

[Bozeman Science](#) - AP Env. Sci, Bio, Physics, Anatomy, etc

[Veritasium](#) - science and engineering videos featuring experiments, expert interviews, cool demos, and discussions with the public about everything science.

[Periodic Videos](#) - Your ultimate channel for all things chemistry. A video about each element on the periodic table. And we upload new videos every week about science news, interesting molecules and other stuff from the world of chemistry.

[Physics Girl](#) - Physics videos for every atom and eve.

[eHowEducation](#) - Math & Science

[175 Science & Education Channels](#)

[In a Nutshell](#) - Kurzgesagt: Videos, explaining things; like evolution, time, space, global energy and our existence in this strange universe.

[ScienceatNASA](#)-short videos from NASA

Math

[PBS Math Club](#) - 7th grade Common Core Standard for math; topics like adding and subtracting integers, equations, ratios and proportions, and statistics. We use uncommon examples like Mean Girls to explain adding negative numbers in our show.

[Vsauce](#) - Our World is Amazing.

[Numberphile](#) - Videos about numbers - it's that simple.

**[Vi Hart](#) - Vi Hart likes triangles! AND APPLES!

[WOWmath.org](#) - Algebra 1&2 and AP Calculus AB. Please check out my website

[WOWmath.org](#). It has many more resources, as well as all of my videos in a more organized format.

**[patrickJMT](#) - No songs, no dances, no silly hats, no low cut shirts and sultry voices.

[Mathantics](#) - Middle School, Algebra & Geometry videos

[Khan Academy](#): lessons from their teachers often focusing on mathematics

[ProfRobBob](#) - videos related to Algebra, Geometry, Algebra 2, Trigonometry, Precalculus, Calculus, and AP Statistic

[GeoGebra Tube](#) - Dynamic mathematics interactivities [GeoGebra](#)

Technology & Engineering

[CalTech](#): California Institute of Technology

[MIT](#)

**[MIT+K12](#) everyone who loves to learn and teach, to help everyone dream and make.

We produce Science Out Loud, a freely-accessible web series written and hosted by MIT students covering the science of humanoid robots, farts, and everything in between.

[Computerphile](#) - Videos all about computers and computer stuff.