

SCIENCE, TECHNOLOGY, ENGINEERING, MATH (STEM) RESOURCES FOR PARENTS

STEM

YOUTH TALKING ABOUT STEM

<http://www.youtube.com/watch?v=UZBSsPiOE2Y>

DID YOU KNOW – STEM EDITION

<http://www.youtube.com/watch?v=R8twBGoGRqc>

EDUCATE TO INNOVATE

<http://www.whitehouse.gov/issues/education/educate-innovate>

GIRLS IN STEM: A NEW GENERATION OF WOMEN IN
SCIENCE

<http://www.whitehouse.gov/photos-and-video/video/2012/04/24/girls-stem-new-generation-women-and-science>

STEM RESOURCES FROM PBS

<http://www.pbs.org/teachers/files/pdf/STEM%20Resources%20from%20PBS-portrait.pdf>

MATHEMATICS

KHAN ACADEMY <http://www.khanacademy.org>

60 MINUTES

<http://www.youtube.com/watch?v=9kh60v5PxMk>

[http://www.cbsnews.com/video/watch/?id=7401700n&t
ag=mncol;lst;1](http://www.cbsnews.com/video/watch/?id=7401700n&t
ag=mncol;lst;1)

BRAIN GENIE--<http://braingenie.ck12.org/>

IXL MATH –<http://www.ixl.com> (\$\$)

NEOK12 – <http://www.neok12.com>

PURPLEMATH – <http://www.purplemath.com>

SOS MATHEMATICS – ALGEBRA

<http://www.sosmath.com/algebra/algebra.html>

COOLMATH –ALGEBRA

<http://www.coolmath.com/algebra/>

HIPPOCAMPUS- ALGEBRA

<http://www.hippocampus.org>

ALGEBRA: IN SIMPLEST TERMS (Advanced Students)

<http://www.learner.org/resources/series66.html>

CK12 –<http://www.ck12.org> (Register for access)

SCIENCE

MIDDLE SCHOOL SCIENCE

<http://jc-schools.net/tutorials/tools/science-ms.html>

EXPLORATORIUM-<http://www.exploratorium.edu/>

LIFE SCIENCE FOR MIDDLE SCHOOL (FLEXBOOK)

<http://www.ck12.org> (register for free access)

MICROSOFT WORLDWIDE TELESCOPE

<http://www.worldwidetelescope.org>

http://www.ted.com/talks/roy_gould_and_curtis_wong_preview_the_worldwide_telescope.html

NASA JPL EYES ON THE SOLAR SYSTEM

http://www.ted.com/talks/jon_nguyen_tour_the_solar_system_from_home.html

<http://eyes.nasa.gov/server/intro.html>

NINE PLANETS

<http://nineplanets.org>

EARTH SCIENCE FOR MIDDLE SCHOOL (FLEXBOOK)

(<http://www.ck12.org/> (register for free access))

HUBBLE TELESCOPE

<http://hubblesite.org>

<http://www.spacetelescope.org/videos/archive/category/hubblecast/>

ENGINEERING

ENGINEERS ARE COOL

<http://www.youtube.com/watch?v=DGmlkYw19gg>

DISCOVER ENGINEERING

<http://www.discoverengineering.org/>

BOLD VISIONS: WOMEN IN SCIENCE AND TECHNOLOGY

http://www.youtube.com/watch?v=Hw7_Fxvktf0

ENGINEER YOUR LIFE

<http://engineeryourlife.org/>

TRY ENGINEERING

<http://www.tryengineering.org/index.php>

DREAM UP THE FUTURE

<http://www.egfi-k12.org/>

<http://students.egfi-k12.org/video-engineers-are-cool/>

BUILD A ROBOT ONLINE

http://www.bbc.co.uk/science/robots/techlab/sub_selector.shtml

PBS DESIGN SQUAD

<http://pbskids.org/designsquad>

TECHNOLOGY

JPL SEVEN MINUTES OF TERROR

<http://www.jpl.nasa.gov/video/index.cfm?id=1090>

MARS SCIENCE LABORATORY ANIMATION (FULL)

<http://www.youtube.com/watch?v=P4boyXQuUlw>

NASA JET PROPULSION LABORATORY

<http://www.jpl.nasa.gov/>

MIT SCRATCH COMPUTER PROGRAMMING

<http://scratch.mit.edu>

<http://www.youtube.com/watch?v=MAsb2LVnNcY>

<http://www.youtube.com/watch?v=oNSao-amctk>

<http://www.youtube.com/watch?v=EMtYrbOOiP4>

<http://www.youtube.com/watch?v=0pxaFzRtx7k>

<http://scratched.media.mit.edu>

ROBOTS THAT FLY AND COOPERATE

http://www.ted.com/talks/lang/en/vijay_kumar_robots_that_fly_and_cooperate.html

DENNIS HONG: MY SEVEN SPECIES OF ROBOTS

http://www.ted.com/talks/lang/en/dennis_hong_my_seven_species_of_robot.html

OTHER RESOURCES

THINKFINITY <http://www.thinkfinity.org>

SPELLING CITY <http://www.spellingcity.com> (\$\$)

PURDUE ONLINE WRITING LABORATORY

<http://owl.english.purdue.edu/owl/>

PRACTICAL MONEY SKILLS

<http://www.practicalmoneyskills.com>

EDUTOPIA

<http://www.edutopia.org>

THE CHALLENGES

THE FUTURE WE CREATE

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

PROJECT-BASED LEARNING

<http://www.bie.org>

<http://www.bie.org/diy>

SHIFT HAPPENS - NEW VERSION

<http://www.youtube.com/watch?v=8lfDa22dhz0>

‘THE WORLD IS FLAT’ – Thomas Friedman

<http://www.youtube.com/watch?v=EcE2ufqtzyk>