

Use the Internet for Basics and Challenges in Science and Math

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Well it is time to review some links for support and answers for parents and teachers. Look at these and add to your existing links.

The
Hoagies Gifted Children Supports
<http://www.hoagiesgifted.org/support.htm>

NSWAGTC gifted children links
<http://www.nswagtc.org.au/info/links.html>
general, for parents, teachers, educational systems etc

Pieces of Learning links for all areas
<http://www.piecesoflearning.com/links.html>

If you are looking for other countries views try New Zealand and Australia at
<http://www.giftedchildren.org.nz/links.php>
Canada try <http://www.ontariogifted.org/links.htm>

Mensa support and links for supplies and camps for the gifted at
<http://www.us.mensa.org/Content/AML/NavigationMenu/Programs/GiftedChildren/Resources/GiftedChildResources.htm>.

Freebies

Dover Publications Inc.
At <http://store.doverpublications.com/>
Click on the by subject tab and go down to teacher store- bottom of column right hand side and go to <http://store.doverpublications.com/by-subject-teacher-s-store.html>
to go to the teacher sign up for free activities and sales go to teacher site and click on free activities goes to <http://www.doverpublications.com/ts002/> fill it in and every week you get the free books of the week and sales 60%off books for teachers.

Connected Science

For those looking for a way to teach science as an integrated unit with connections to the universe, try “World Builders” at [//curriculum.calstatela.edu/courses/builders/index.html](http://curriculum.calstatela.edu/courses/builders/index.html)
They have lesson units on astronomy, geology, meteorology, microbiology, marine botany, marine zoology, marine ecology, botany, zoology, land ecology. For example microbiology includes how atoms combine, single cell organisms, photosynthesis, respiration, genetics and other life supporting activities and information.

Resources for lessons

Biology Binder: at <http://users.adelphia.net/~lupold/biologybinder/index.htm>

Welcome to *The Biology Binder*, an online resource for biology students and their teachers! This site includes notes / study guides, interactive quizzes, online activities, printable labs / worksheets, and numerous science links relating to all biology topics. Please explore what this site has to offer by clicking on the links above.

Physical Science Activity Manual at

<http://www.utm.edu/departments/cece/cesme/PSAM/PSAM.shtml> physical science. The Physical Science Activity Manual contains 34 hands-on activities to bring excitement to your classroom. You can download the Mac (MS Word) version of the entire manual or the entire Windows (WordPerfect) version, or a PDF version. Individual chapters may be downloaded by clicking the appropriate version beside the title.

First lessons in math – sort of the McGuffey's reader of math

<http://www.donpotter.net/math.htm> first lessons in arithmetic activities.

Dr. Labush's links for learning at <http://www.netrox.net/~labush/> . The Science links to all sorts of good activities and labs <http://www.netrox.net/~labush/scilinks.html> and math at <http://www.netrox.net/~labush/math.htm>

And hands on math <http://www.netrox.net/~labush/nctm.htm>

A collection of great possibilities.

Experiencing Chemistry for students and teachers

<http://www.oms.edu/visit/chemistry/> lots of on-line materials, activities, labs, things kids can do at home and a chemistry glossary from OMSI chemical supply.

Science Simulations <http://www.hal-pc.org/~clement/science.htm> .

There are many science simulations available on the web at. These are very useful for displaying things that you can not see such as molecules, or for simulating physical situations that you can not bring into the lab. Sometimes the actual simulation can be an experiment. Simulations do not promote better learning by themselves, but when used with properly designed exploration labs, they can be very effective. Students generally like simulations, which is certainly a plus when using them.

Remember to check PhET at the University of Colorado

<http://phet.colorado.edu/new/index.php> for their latest simulations for physics education
Virtual Chemistry lab at Homework Center

<http://www.factmonster.com/homework/science-physical.html> has many options for understanding chemistry.

Energy Kid's page from the US government

<http://www.eia.doe.gov/kids/classactivities/teachers&students.html> activities with guides.
Looks good.

Harvard Smithsonian <http://www.cfa.harvard.edu/education/activities.html> has some great activities in physics and astronomy. Go and warp space.