

Science Websites

Amazing Space - Provides interactive games, online resources for teachers and students, and all sorts of things related to space, stars, planets, etc. <http://amazing-space.stci.edu>

Amoeba (Protozoa) Movies - Videos of amoeba eating and moving about
<http://micro.magnet.fsu.edu/moviegallery/pondscum/protozoa/amoeba/index.html>

Amusement Park Physics - Allows students to apply their knowledge of physics by building a roller coaster - includes physics glossary and other interactive physics lessons <http://www.learner.org/interactives/parkphysics>

Angry Red Planet - An online mystery involving a mission to Mars. Students must solve problems using scientific knowledge and reasoning skills. <http://www.accessexcellence.org/AE/mspot/arp>

Astronomy Workshop - Students can view a multitude of Java programs that create a solar system, view the moons and their orbits around planets, and learn about astronomical distances <http://janus.astro.umd.edu/index.html>

Atoms Family - Kids learn fun things about science from various film monsters. For example, Dracula teaches about light waves and particles, and Frankenstein teaches about electricity and electrical safety.
<http://miamisci.org/af/sln>

BBC Science Clips - fun interactive science games for ages 5 to 7. <http://www.bbc.co.uk/schools/scienceclips/>

Bill Nye the Science Guy - Experiments and other activities <http://billnye.com>

BioInteractive - This site from Howard Hughes Medical Institute provides interactive activities for secondary students and lessons ideas for teachers. <http://www.hhmi.org/biointeractive>

Biology Corner www.biologycorner.com

Biology Junction www.biologyjunction.com

Biology Project - This site from Hughes Medical Institute provides interactive activities for biology, grades 9-12. The site includes tutorials, problems sets, lesson plans, activities, and other resources. <http://biology.arizona.edu>

Biotechnology Online - Offers resources defining biotechnology and explaining its uses.
<http://www.biotechnologyonline.gov.au>

The Blood Typing Game Students knowledge about blood types and RH groups are put to the test as they try to save the lives of patients. www.nobelprize.org/educational/medicine/bloodtypinggame/index.html

Build Your Bridge - Provides good information on engineering in earthquake zones, building bridges, and earthquakes. www.eduweb.com/portfolio/bridgetoclassroom/engineeringfor.html

Cells Alive - All sorts of resources dealing with all sorts of cells <http://www.cellsalive.com/index.htm>

Chem 4 Kids - Activities and resources for younger or beginning students <http://www.chem4kids.com>

Chemicool Periodic Table - An interactive periodic table that allows students to click on or search for an element and learn general information (such as name, density, atomic weight, and when discovered), states, energies,

oxidation & electrons, appearance & characteristics, reactions, other forms radius, conductivity, & abundance
<http://www.chemicool.com>

Cool Science for Curious Kids - A site from Howard Hughes Medical Foundation designed for elementary students; provides easy experiments and interactive science activities. <http://www.hhmi.org/coolscience>

Creature Feature - This great site from National Geographic Kids offers wonderful resources on a wide variety of animals. For each animal, students can see fun facts, watch video of the animal in its natural habitat, hear audio of an animal, and see a map showing where the animal resides.
<http://kids.nationalgeographic.com/Animals/CreatureFeature>

Cyber Tiger - A fun interactive activity for elementary students from National Geographic for Kids which allows students to be zookeepers and create the perfect habitat for a Siberian tiger.
<http://nationalgeographic.com/tigers/maina.html>

Digital Library for Earth System Education - Online lesson plans, labs, and activities for all areas of science; mostly middle and high school www.dlese.org

Dino Directory - Information and graphics on dinosaurs from the British Natural History Museum
<http://internet.nhm.ac.uk/jdsml/nature-online/dino-directory>

Discovery Channel Education Website provided by the Discovery Channel which offers video (full and segments), articles and illustration for various subjects and grade levels. www.unitedstreaming.com username: bhinson1
password: marques1

Einstein Archives - Online access to Albert Einstein's scientific and non-scientific manuscripts held by Albert Einstein Archives at the Hebrew University of Jerusalem. <http://www.alberteinstein.info>

eNature - A site from the National Wildlife Federation which gives information and great photographs on all sorts of plants and animals, discussing their habitat, etc. Also will provide nature guides for your specific area, and offers news articles on nature. Some features are not available unless you subscribe, which is free.
<http://www.enature.com/home>

Endangered TV - Students can learn about, see pictures of and watch video clips of endangered animals from around the world. <http://endangeredtv.com>

Energy Quest - Online activities and resources for teachers and elementary/middle school students dealing with energy. <http://www.energyquest.ca.gov/index.html>

Entomology Image Gallery - Students can see images and video of various insects at this site from Iowa State University. www.ent.iastate.edu/imagegallery/

Explore Math and Science with Gizmos - From Explorelearning, Gizmos are interactive science and math activities over almost any topic imaginable - The pull down menu near the bottom of the page lists topics. This is a subscription site, but they offer a 30-day free trial. <http://www.explorelearning.com>

Exploratorium - An awesome interactive science site, provides a virtual microscope with photos and video of various cells and organisms, allows you to explore the science of music, Saturn, and Chichen Itza, and also has a number of interactive science activities and some great optical illusions. <http://www.exploratorium.edu>

Exploring the Planets - Great resources from the National Air and Space Museum on the solar system and planets. <http://www.nasm.si.edu/research/ceps/etp/etp.htm>

Extreme Science - A sort of Guinness Book of World Records for science; also provides lots of good factual information in a user-friendly format for almost any science topic. <http://www.extremescience.com>

Fizzics Fizzle - Online activities for physics from beginning level to advanced. <http://library.thinkquest.org/16600>

Flinn Scientific - Online resource about lab safety, provides information and activities for science. www.flinnsci.com

Franklin Institute - activities and ideas for inspiring scientific curiosity. <http://www.fi.edu/learn/index.php>

Funology - Lots of activities for elementary science. <http://www.funology.com>

Galaxy Hunter - Students construct and interpret frequency tables, demonstrate knowledge of simple random samples, define range, mean, and median as they apply to statistics, and demonstrate knowledge of min/max plots. Teacher tips included. For high school students. <http://amazing-space.stsci.edu/resources/explorations/ghunter/home.html>

Get Smarter - This site allows students of all grades to take online science and math quizzes and compare their knowledge to other students from around the world. Students can take quizzes over and over again because new questions are generated each time. Students will be asked to complete a free registration with nickname, state and grade. Online tools and links help students to "get smarter". www.getsmarter.co.za/

Gravity Probe B - This experiment by NASA and Stanford is using a space probe to test two unverified predictions of Albert Einstein's general theory of relativity (1919): that the presences of a mass in space, such as the Earth, would warp local spacetime, creating a dip or curve in spacetime, and that the rotation of mass in space would twist or drag the local spacetime frame around it. An educator's guide and space science activities are included. <http://eistein.stanford.edu>

Great Barrier Reef - An interactive site from National Geographic allows students to virtual tour the Great Barrier Reef and learn about the life there. It also offers a scavenger hunt activity to go with the tour. <http://magma.nationalgeographic.com/ngexplorer/0304/adventures/index.html>

Great Idea Finder - Information on inventions and inventors. <http://www.ideafinder.com>

How Stuff Works - Great information on...how stuff works! Awesome free short videos on a wide array of science subjects for all grade levels. <http://www.howstuffworks.com>

Human Anatomy Online - Allows a virtual tour of various systems (skeletal, muscular, cardiovascular, etc.) in the human bod. www.innerbody.com

Human Body and Mind - Great interactive games on organs, muscles, skeleton, plus great resources on the human mind. http://www.bbc.co.uk/science/humanbody/body/index_interactivebody.html

Human Gene Map - Interesting information on genes and the human genome project <http://www.ncbi.nlm.nih.gov/SCIENCE96>

Infection, Detection, Protection - A website from the American Museum of Natural History which teaches elementary students about germs, disease, and how they are spread through interactive scenarios.
<http://www.amnh.org/nationalcenter/infection>

Interactive Elementary Science - this site from Apples4TheTeacher offers lots of interactive elementary science activities. <http://www.apples4theteacher.com/science.html>

Interactive Math and Science Games - Teacher developed math and science games including Who Wants to be a Millionaire, hangman, concentration, and crossword puzzles. Also includes flash cards.
<http://education/jlab.org/indexpages/elementgames.php>

Interactive Simulations - Great interactive simulations for physics, chemistry, etc.
<http://phet.colorado.edu/simulations/index.php?cat=Tools>

Infrared Astronomy - A site devoted to infrared astronomy - explains it, gives its history, and shows how it is used.
http://coolcosmos.ipac.caltech.edu/cosmic_classroom/ir_tutorial

Invention at Play - Stories of inventors and online interactive games to promote the type of divergent thinking necessary to be an inventor. <http://www.inventionatplay.org>

King's Science Links - This site provides links to great online science resources.
<http://k111.k12.il.us/king/science.htm>

Kitchen Chemistry - From the television program Zoom this site provides resources and hands-on and virtual experiments using kitchen items (for elementary and middle school students)
<http://pbskids.org/zoom/games/kitchenchemistry>

Lawrence Hall of Science - The website from U.C. Berkeley provides online activities, resources, and experiments for students of all ages. <http://www.lhs.berkeley.edu/kids>

MadSci Network - Resources, experiments, and numerous links for science students of all ages - even includes an "ask a scientist" option. <http://www.madsci.org>

Magnetic Field Activities for High School Classrooms - Helps students understand the vector nature of fields, the ubiquity of fields in the environment, & the 3-dimensionality of fields. Activities include mapping the magnetic field of a room, making a magnetometer, & studying plasma. <http://pwg.gsfc.nasa.gov/istp/outreach/ed>

Medicine Net - Online information on diseases and disorders. <http://www.medicinenet.com/script/main/hp.asp>

Medtropolis - A virtual tour of the human body in English and Spanish. <http://www.medtropolis.com/VBody.asp>

Minerals by Name - Everything you ever wanted to know about minerals.
<http://www.galleries.com/minerals/byname.htm>

Minibeasts - This website offers a number of different interactive science activities for elementary students.
www.mylearning.org/minibeasts/

Monterrey Bay Aquarium - Resources about sea life and conservation with great web cams.
<http://www.monterreybayaquarium.org>

Movie Sheets Questions to movies for various subjects www.moviesheets.com

Museum of Science - The Boston Museum of Science offers virtual tours, numerous print resources, and archived lectures and speeches. <http://www.mos.org>

NASA Inspired - Links to a number of wonderful educational resources from NASA. <http://www.nasa-inspired.org>

National Biological Information Infrastructure - Great information on plants, animals, habitats, and ecology. <http://www.nbi.gov/>

National Geographic Homework Help - Information and games on numerous science, geography, and history topics. <http://kids.nationalgeographic.com>

National Science Digital Library - This site provides links to web-based resources for all levels and areas of science. <http://nsdl.org>

NeoK12 - Educational videos, games and lessons for students K-12. www.neok12.com

Net Frog - Online virtual frog dissection with videos and text. <http://frog.edschool.virginia.edu/Frog2/home.html>

Neuroscience for kids Allows younger students to explore the brain. <http://faculty.washington.edu/chudler/neurok.html>

New York Science Teacher Provides science labs, demonstrations, lesson plans, activities, worksheets, notes, regents review material, educational related information & more! www.newyorkscienceteacher.com

Nine (Eight) Planets - Information and graphics on the planets. <http://www.nineplanets.org>

Periodic Table of Elements - Interactive periodic table. <http://www.dayah.com/periodic>

Periodic Table of Videos - Really cool site from University of Nottingham in England which has a short video for each element <http://periodicvideos.com>

P.O.E.T.R.Y - Public Outreach, Education, Teaching and Reach Youth is a site from NASA offering numerous resources and links on space science. <http://image.gsfc.nasa.gov/poetry>

Popular Science - Popular Science magazine online including the current issue and archives. <http://www.popsci.com>

Quest Atlantis - Units of study for science with hands-on activities. <http://atlantisremixed.org>

Reeko's Mad Scientist Lab - Science experiments for all levels including experiments on floatation, capillary action, chemical reactions- includes activities like building a hovercraft or a volcano. <http://www.spartechsoftware.com/reeko>

Science@NASA - Activities for all grades levels on numerous topics on science and engineering. <http://science.nasa.gov>

Science Homework Helper - Good encyclopedia-type entries on science.

<http://www.factmonster.com/homework.hwscience.html#fscience>

Science Learning Network - Links to numerous resources and activities for inquiry-based science learning.

<http://www.sln.org>

Science Monster - This site for Cool Math provides entertaining information about the solar system for students in grades 2-5. Students can take a star tour, see how gravity and inertia work, and play a fun lunar landing game.

<http://www.sciencemonster.com>

Science Spot Provides lesson plans, lab experiments, and links for a variety of science areas.

www.sciencespot.net

Science, Optics, and You - Offers teachers resources and students activities including hands-on and virtual experiments on optics. <http://micro.magnet.fsu.edu/optics/index.html>

Secrets of the Mind - A number of resources dealing with the human brain from Nova.

<http://topdocumentaryfilms.com/secrets-mind/>

Space.com - Articles, video, and images of space. <http://www.space.com>

Star Child - Astronomy for younger students. <http://starchild.gsfc.nasa.gov/docs/StarChild/StarChild.html>

Stellarium - a free virtual planetarium for your computer that provides realistic 3D images of the sky.

<http://www.stellarium.org>

Stromboli Online - Online footage of volcanoes, eruptions, virtual tours of volcanoes, and other resources dealing with...volcanoes. www.swisseduc.ch/stromboli

Teach-nology - offers free access to thousands of teacher resources, lesson plans and rubrics.

www.teach-nology.com

Tech Museum of Innovation - Provides link to resources and interactive activities dealing with robotics, genetics, and other topics. <http://www.thetech.org/exhibits>

This Old Habitat - This site from the Field Museum offers information and interactive lessons on habitats.

<http://www.fieldmuseum.org/thisoldhabitat>

Try Science.org - virtual experiments and field trips. <http://www.tryscience.org>

Virtual Dissections, Labs, and Field Trips - Links to all types of science activities.

<http://www.accessexcellence.org/RC/virtual.php>

Virtual Frog Dissection Kit - Virtual frog dissection. <http://froggy.lbl.gov/virtual>

Virtual Solar System - This site from National Geographic provides a 3D virtual tour of our solar system, allowing planet flybys and up close examination requires downloadable software and a PC to do the 3D version).

<http://science.nationalgeographic.com/science/space/solar-system>

Virtual Volcano - Lets you adjust the amount of gas and the viscosity to create different types of volcanoes and eruptions. <http://www.discovery.com>

Volcano World - Everything you wanted to know about volcanoes. <http://volcano.oregonstate.edu>

Web Elements - Online interactive periodic table. <http://www.webelements.com>

Web Geological Time Machine - Information and graphics on geology.
<http://www.ucmp.berkeley.edu/help/timeform.html>

World of Astronomy - Reference materials on astronomy. <http://scienceworld.wolfram.com/astronomy>

Worldwide Telescope - With a free download, you and your students can explore the universe with detailed images from numerous NASA resources. <http://worldwidetelescope.org>