

Recommended Internet Resources for Teaching Science



Compiled by Dr. Julie Lambert
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Current Science News

New York Times

[http://www.nytimes.com/pages/science/
index.html](http://www.nytimes.com/pages/science/index.html)

Misconceptions in Science

Common Science Misconceptions

<http://homepage.mac.com/vtalsma/syllabi/2943/handouts/misconcept.html>

American Association for the Advancement of Science - Triple A-S" (AAAS)

an international non-profit organization dedicated to advancing science around the world by serving as an educator, leader, spokesperson and professional association

- Home Page
- <http://www.aaas.org/>
- Project 2061
- <http://www.project2061.org/>
- Benchmarks Online
- <http://www.project2061.org/publications/bsl/online/index.php>

Brain-Based Education

Dr. Medina's Brain Rules Book

- <http://www.brainrules.net/>

Brain Connection

- <http://www.brainconnection.com/>

Article on Brain-based Education

- http://www.pdkintl.org/kappan/k_v89/k0802jen.htm

Neuroscience for Kids

- <http://faculty.washington.edu/chudler/neurok.html>

Nature of Science

- Nature of Science

http://evolution.berkeley.edu/evolibrary/article/0_0_0/nature_01

- Understanding Science: How Science Really Works

<http://undsci.berkeley.edu/index.php>

- Misconceptions about the Nature of Science

<http://undsci.berkeley.edu/teaching/misconceptions.php>

Games and Experiments

- ZOOM! Science Games/Experiments

<http://pbskids.org/zoom/games/index.html>

- Jeff's Free Games and Utilities Website – Games (See the PowerPoint Jeopardy Game. You can write your own questions and answer slides.)

<http://people.uncw.edu/ertzbergerj/msgames.htm>

Integrating Literacy and Trade Books in Science

Elementary Science Integration
Projects

<http://www.esiponline.org/index.html>

General Science Lessons for Teachers

Discovery School

<http://school.discoveryeducation.com/>

Pulse of the Planet – Lessons and Audioclips

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

Exploratorium – Museum Resources for Inquiry-Based Science Teaching, San Francisco, CA

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

Good Lessons for General Science

- <http://www.iit.edu/~smile/index1.html>

National Geographic Kids

- <http://kids.nationalgeographic.com/>

The Science Spot

<http://sciencespot.net/>

Videos for Science Teaching

Brain Pop – Videos for Science Teaching

<http://www.brainpop.com/science/>

National Geographic Videos

<http://video.nationalgeographic.com/video/>

Physical Science

TOPS Learning Systems
Lesson Plans for Physical Science

<http://topscience.org/>

Great Site for Science Experiments and Videos

<http://www.stevespanglersscience.com/experiments/>

Earth Science

Digital Library for Earth Systems Education

<http://www.dlese.org/library/>

USGS – United States Geological Survey – Geology Resources for Educators

<http://education.usgs.gov/>

Tasa Graphics – Earth Science Interactive CD-Roms and online Activities

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

Weather Watcher – Scholastic

http://teacher.scholastic.com/activities/wwatch/gather_data/

Weather and Climate Online Magazine for K-5 Teachers

<http://beyondpenguins.nsd.org/issue/index.php?date=June2008>

Marine Science

Sea Education Association – Marine Science Lesson Plans

<http://www.sea.edu/academics/k12.asp>

SeaWorld – Teacher Guides and Lesson Plans

<http://www.swbg-animals.org/just-for-teachers/guides/index.htm>

Marine Science Lessons and Resources and Professional Development Opportunities

<http://www.vims.edu/bridge/>

NOAA – National Oceanic and Atmospheric Administration

<http://www.education.noaa.gov/>

Space and the Moon

NASA – Space, Earth Systems, Climate Research and Educator Resources

<http://www.nasa.gov/audience/foreducators/blast-back-to-school.html>

Current Night Sky

http://www.space.com/spacewatch/sky_calendar.html

Virtual Reality Moon Phases

<http://tycho.usno.navy.mil/vphase.html>

The Night Sky Live

<http://nightskylive.net/index.php>

Tonight's Sky

http://amazing-space.stsci.edu/tonights_sky/

Night Sky Network

<http://nightsky.jpl.nasa.gov/planner.cfm>

Moon Phases

<http://home.hiwaay.net/~krcool/Astro/moon/moonphase/>

Moon Phases

<http://www.enchantedlearning.com/subjects/astronomy/moon/Phases.shtml>

Global Climate Change

Carbon cycle game

http://www.windows.ucar.edu/earth/climate/carbon_cycle.html

EPA Climate Change and Global Warming: Interactive website

http://www.epa.gov/climatechange/kids/carbon_cycle_version2.html

http://epa.gov/climatechange/kids/global_warming_version2.html

Interactive diagram

<http://www.seed.slb.com/content.aspx?id=2314>

Nature Conservancy's Carbon Calculator

<http://www.nature.org/initiatives/climatechange/calculator/>

Global Footprint Network

<http://www.footprintnetwork.org/en/index.php/GFN/>

Inconvenient Truth Curriculum

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

Journey North – Global Study of Wildlife Migration and Seasonal Change

<http://www.learner.org/jnorth/>

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

Global Climate Change

Worldview of Global Warming

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

Slide Show – What's Up With Global Warming?

http://online.nwf.org/site/PageNavigator/ClimateClassroom/cc_teachers_slideshow

Environmental Science

Facing the Future – Lessons and Resources for Teaching About Global Issues – Science and Society and New Math Curriculum!

<http://www.facingthefuture.org/default.aspx>

Roots and Shoots (Jane Goodall Institute) – Service Learning and Lesson Plans

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

Environmental Protection Agency – Lesson Plans and Resources

<http://www.epa.gov/teachers/>

Population Connection

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

Earth Portal and Earth Encyclopedia on Climate Change

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

Rainforest Action Network – Information

<http://ran.org/>

Environmental Science (Continued)

One Million Acts of Green

<http://www.greennexus.com/omaog/us/education.aspx#f1>

The Story of Stuff

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

National Lab Day

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

Fun with Dry Ice (Frozen Carbon Dioxide)

The Saturday Scientists

<http://www.west.net/~science/co2.htm>

Deep Science – Dry Ice Day

<http://www.deepscience.com/experiments/dryiceday.html>

Dry Ice Experiments

<http://www.buzzle.com/articles/dry-ice-experiments.html>

How Stuff Works

<http://www.howstuffworks.com/question264.htm>

Water Cycle Websites

Readers' Theater Script: Water Cycle Adventure

<http://www.enchantedlearning.com/rt/weather/watercycle.shtml>

Narrated Animation of the Water Cycle

http://www.harcourtschool.com/activity/science_up_close/209/deploy/interface.html

http://www.harcourtschool.com/activity/science_up_close/308/deploy/interface.html

EPA Water Cycle Animation

http://epa.gov/climatechange/kids/water_cycle_version2.html

<http://www.crickweb.co.uk/assets/resources/flash.php?&file=watercycle>

Water Cycle Matching Game

http://www.nwlg.org/pages/resources/geog/hydro_cycle/hydro/cycle.htm

USGS – The Water Cycle

<http://ga.water.usgs.gov/edu/watercycleevaporation.html>

NASA Aquarius Lessons

http://aquarius.nasa.gov/water_cycle.php

Webquests

Guided Inquiry-Based Lessons Using
the Internet for all Subjects and
Grades Levels.

<http://webquest.sdsu.edu>

Evaluating Websites

<http://school.discoveryeducation.com/schrockguide/eval.html>

Resources to Improve Teachers' Scientific Knowledge

Annenberg Teacher Resources

<http://www.learner.org/resources/browse.html?discipline=6>

PBS Teachers

<http://www.pbs.org/teachers/sciencetech/>

Extreme Science

http://www.extremescience.com/site_map.htm

Grant Information

Guidelines for Writing a Proposal

- <http://www.nsta.org/pd/tapestry/guidelines.htm>

Toyota Tapestry Grants

- <http://www.toshiba.com/tafpub/jsp/home/default.jsp>

Favorite Supply Companies

Museum Products

www.museumproducts.net

1-800-395-5400

MarineLab's Leave Only Bubbles

www.leaveonlybubbles.com

1-800-741-1139

Science Kit & Boreal Laboratories

http://sciencekit.com/elementary/c/1692/cm_sp=header--1207edit--elem/

1-800-828-7777

Educational Innovations

<http://www.teachersource.com/Default.aspx>

Professional Organizations and Other Resources

NSTA – National Science Teachers Association

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

National Marine Educators Association

<http://www.marine-ed.org/>

Centers for Ocean Sciences Education Excellence

<http://www.cosee.net/>

The Globe Program

http://www.globe.gov/globe_flash.html

Ocean Explorer – Explorations and Lesson Plans

<http://oceanexplorer.noaa.gov/welcome.html>

Current References on Technology

New Technology Counts 2009 Report

- <http://www.edweek.org/ew/toc/2009/03/26/index.html>

International Society for Technology in Education

- <http://www.iste.org/>

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your favorite Internet sites
to share!



To be

Continued.....