

A FEW RESOURCES AND LINKS FOR TEACHING SCIENCE

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Classical Kids Forum
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This list is by no means a comprehensive list, but just a few of the resources I find helpful. There are surely many others out there.

The Core Knowledge Foundation- my primary source for lesson plans (organized by grade level), book lists, etc. <http://coreknowledge.org/CK/index.htm>

Home Training Tools (lab supplies, including chemicals) – <http://www.hometrainingtools.com/>

Great Scopes – <http://www.greatscopes.com>

CT. Agricultural Extension Office (4-H) -

http://www.extension.uconn.edu/pages/department/fairfield/locations_fairfield.html

Kellogg Environmental Center, Derby - <http://ct.gov/dep/cwp/view.asp?a=2691&q=322550>

Ansonia Nature Center, Ansonia - <http://ansonianaturecenter.org/>

Schooner, Inc., New Haven (marine biology classes and trips) - <http://www.schoonerinc.org/>

Peabody Museum, New Haven - <http://www.peabody.yale.edu/>

Mystic Aquarium - <http://www.mysticaquarium.org/>

Norwalk Maritime Center - <http://www.maritimeaquarium.org/>

RiverDeep (virtual science labs) –

http://web.riverdeep.net/portal/page?_pageid=818,1382909&_dad=portal&_schema=PORTAL

The Teaching Company – www.teach12.com

Gardening with Kids – <http://www.kidsgardening.com/>

Square Foot Gardening – <http://www.squarefootgardening.com/>

The Exploratorium (fun facts, activities) – <http://www.exploratorium.edu/>

Nova (website and videos/TV) – <http://www.pbs.org/wgbh/nova/>

University websites – there are many, some offering great slides/videos/ explanations of complex concepts. MIT is an obvious example, but there are many others. One excellent example is <http://vcell.ndsu.nodak.edu/mcbe/> (North Dakota State) . Another is <http://www.science.smith.edu/departments/Biology/Bio231/glycolysis.html> (Smith)

A SAMPLE BOOK LIST – by no means a comprehensive list – just some I still have around the house

- Core Knowledge Sequence (from Core Knowledge Foundation and my major curriculum guide)
- *Backyard Ballistics* by William Gurstelle (one of my kids' absolute favorites)
- *Talking to Fireflies, Shrinking the Moon* by Edward Duensing
- *The Curious Naturalist* (National Geographic)
- Janice Van Cleave Books (for simple lab demonstrations and experiments –there are many different titles for each subject – Molecules, Biology, Chemistry, Physics, etc.)
- Eyewitness Books on such topics as chemistry, physics, etc.
- *Let It Rot Guide to Composting* by Stu Campbell
- *Great Garden Companions* by Sally Jean Cunningham (just a great gardener's book)
- *The Vegetable Gardener's Bible* by Edward C. Smith
- *Water Gardens* (published by Sunset – or any other source)
- *Put a Fan in Your Hat* by Robert Carow
- *Square Foot Gardening* by Mel Bartholomew
- *Physics for Kids* by Robert Wood (there are several in this series and all are good)
- *Simple Science Experiments with Everyday Materials* by Muriel Mandell (or similar)
- *The Cartoon Guide to Physics* (or any other subject) by Larry Gonick and Art Huffman
- *Exploring Chemical Elements and Their Compounds* by David Heiserman
- *Oh Yuck! The Encyclopedia of Everything Nasty* by Joy Masoff
- *Explorabook* by John Cassidy (Klutz Publishing)
- *Science Experiments You Can Eat* by Vicki Cobb
- *Science – Just Add Salt* by Sandra Markle

For older kids (upper middle school and beyond)

- *Chemistry Concepts and Problems (A Self-Teaching Guide)* by Clifford Houk and Richard Post (any of this series is quite good – they also offer Physics, etc.)
- *Physics* – Saxon Publishing – the usual solid Saxon approach
- *Biology* by Campbell and Reece (known familiarly as “Campbell's”) (for upper grades – the best textbook out there, in my opinion, and the major one used for AP studies. Can also be used as a reference for selected middle school and high school topics)
- *Guide to Microlife* by Kenneth G. Rainis and Bruce J. Russell (excellent pictures and descriptions)
- Chemistry (tapes or DVD) by Frank Cardulla (The Teaching Company) – not a comprehensive course, but an excellent, easily understood presentation of some major topics
- *Earth Science* by Edward J. Tarbuck and Frederick K. Lutgens – makes the subject matter completely accessible
- *The Universe in a Nutshell* by Stephen Hawking (a classic)
- Carl Sagan – any book by him
- *Science News* – www.sciencenews.org (weekly magazine full of fascinating articles about up to the minute developments in science).