

## **SCIENCE RESOURCE INFORMATION FOR FAMILIES**

### **Vision HCP, 8-24-2010 and 8-26-2010**

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- Whether science is a struggle, or a pleasure, for you, please contact me at any time for support!

### **Some thoughts on exploring the Sciences with YOUR YOUNG CHILD...**

The process of asking questions and finding answers is natural to us all! Young children at home can easily develop scientific skills that will serve them later in middle and high school. You can help, especially if you stop, listen, and learn with them. No matter what your own skill level is in the sciences, this should be a natural (and fun!) process for both of you.

Note: Does your child struggle with motivation for math and literacy, but is naturally inclined towards science? As you decide on curriculum, keep in mind that science can successfully be used as a platform for bringing in other skills, such as reading/writing and math. An integrated approach can work too, such as with the Waldorf-based Christopherson curriculum.

### **Some tips on exploring the Sciences with YOUR YOUNG ADULT...**

The amazing amount of information and facts available to us in the sciences can challenge even the best learner! Here's some tips:

- Your student should plan to put in time and effort to comprehend the sciences. Plan ahead and set aside enough time to get the work done!

- Balance the content knowledge (which can be a chore) with plenty of inquiry and exploration; this approach can keep science alive no matter what age your learner is. Understanding and using the scientific process is fun, and will enable young adults to excel on their standard exams including the ACT.
- Make SURE you encourage your student to be proactive with asking questions and getting help when they're confused.

## **SCIENCE HOME SCHOOL RESOURCE IDEAS – K-12**

(note: all links will be available from the Vision HCP website shortly)

### **Links to Research Your Own Curriculum:**

HOMESCHOOL GUIDE TO SCIENCE

<http://www.homeschooldiner.com/subjects/science/curriculum.html>

Links to free and for purchase materials. Start here, look at all the possibilities, then construct your learning plan that can take you anywhere!!

A TO Z HOME'S COOL

<http://homeschooling.gomilpitas.com/materials/FreeResources.htm>

Links to free and for purchase materials. Start here, look at all the possibilities, then construct your learning plan that can take you anywhere!!

FRANK POTTERS SCIENCE GEMS

[www.sciencegems.com](http://www.sciencegems.com)

More than 14,000 science resources sorted by grade and subject

## **Websites for Free or Low Cost Curriculum:**

### INTERACTIVE SCIENCE LESSONS

<http://www.interactivescienceteacher.com>

Free science lesson notes in earth science, chemistry, geology, physics and more for 6-8 grades

6th- 8th grade

Free

### HOME SCIENCE ADVENTURES

<http://www.homeschoolscience.com/index.html>

Complete kits and activities for year-long courses in astronomy, biology, and much more. Children of different ages can work together!

1st-8th

Cost Varies

### PHYSICS ENDEAVOR

[www.physics-book.com](http://www.physics-book.com)

60 video-based lessons with lab projects, no prior experience needed for teachers or students. Text also available with manual for supervisor and lab work.

10th through 12th

Cost Varies

### SCIENCE 2 DISCOVER

[www.science2discover.com](http://www.science2discover.com)

Science and biotechnology materials

K-12

Cost Varies

#### YOUNG SCIENTISTS CLUB

<http://www.theyoungscientistsclub.com/contact.html> Ph. 1-800-964-1320 to sign up!

A continuous learning experience with experiment kits sent twice monthly or once per month

3rd-6th

\$11.99 per kit plus 4.95 for shipping

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#### INSTANT SCIENCE LESSONS!!

[www.instant-science-lesson-plans.com](http://www.instant-science-lesson-plans.com)

100's of printable lesson plans from Discovery; reasonable membership price, includes games, crafts, thematic units and reference library

K-5

Cost Varies

#### MERLINS SCIENCE ACADEMY

[www.synapses.co.uk/merlin](http://www.synapses.co.uk/merlin)

Three complete courses in Chemistry, Astronomy, Genetics

8th-12th

Cost Varies

#### BACKYARD SCIENTIST

[www.backyardscientist.com](http://www.backyardscientist.com)

Books and kits by Jane Hoffman for ages 4-12; teachers guide for teaching science grades K-12. Well known and respected program, over 20 years old.

K-12

Cost Varies

SEA WORLD

[www.seaworld.com](http://www.seaworld.com)

Marine animal science. Go to "Just for Teachers", offers guides to teaching in active, hands-on ways. Each guide has goals, objectives, info, vocabulary and activity.

K-12

Cost Varies

## **Curriculum Available as Texts:**

**Science Essentials, High School Level: Lessons and Activities for Test Preparation [Paperback]**

[Mark J. Handwerker Ph.D. \(Author\)](#)

4.0 out of 5 stars See all reviews (3 customer reviews)

Chemistry and Biology in one ambitious year!!! 60 lessons each... with activities and sample test questions, notes on test taking skills.