

# Science Unsnarled

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## What do you want from your science curriculum?

Approach: \_\_\_\_\_

\_\_\_\_\_

Learning Style of the student: \_\_\_\_\_

\_\_\_\_\_

Consumable Workbooks or Textbooks: \_\_\_\_\_

\_\_\_\_\_

Bible-based or secular: \_\_\_\_\_

(evolution or creation) \_\_\_\_\_

\_\_\_\_\_

Multi-age program or grade-specific: \_\_\_\_\_

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Easily accessible supplies or kit: \_\_\_\_\_

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Additional Notes: \_\_\_\_\_

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## Rainbow Resource Secular/Neutral Science Curriculum

Product	Grade	*	Experiments & Supplies	Notes
<a href="#">Complete Book of Science</a>	3-6	S	-easily accessible items for projects -most activities are workbook pages, but there is a project for each lesson	-consumable workbook, not reproducible -websites for extended learning -no teacher guide, all instruction in one book -grade specific**
<a href="#">Earlybird Science</a> (Singapore)	1-2	S	-Materials are easily accessible	-consumable workbooks -no teacher guide -grade specific**
<a href="#">Interactive Science</a> (Singapore)	7-8	S	-some experiment materials are difficult to obtain	-theory workbook and practical (lab) workbook are consumable -grade specific**
<a href="#">Saxon Homeschool Packages</a> (Holt, HM, McDougal)	1-12	S	-virtual experiments at the high school level	-written for classroom use -online lesson plans available for some courses -all materials are non-consumable; cd-rom included for reproducibles
<a href="#">Science Daybooks &amp; Sciencosaur</a>	4-8	S	-activities and experiments are done with easily accessible items. -found in the daybooks	-student daybook is consumable - teacher's guide ties the daybook and Sciencosaur together and includes answer keys -grade specific** daybooks
<a href="#">Science Power Basics</a>	6-12	S	-activities are found in the text, and workbook -easily accessible items	-all books are consumable except teacher guide -written at 4 <sup>th</sup> grade reading level w/ jr/sr high content -grade specific**
<a href="#">Science Through Children's Lit, Intermediate Science Through Children' Lit, More Science Through Children's Lit</a>	K-7	S	-a variety of activities from which you can choose – experiments and writing	-literature-based approach -most books can be found in your local library -multi-age level***
<a href="#">Elemental Science</a>	K-7	N	-easily accessible materials -experiments come from the resource books recommended for each level	-classical approach/ based on the trivium -uses real books
<a href="#">Elements: Intro to Chemistry</a>	3-7	N	-easily accessible items -multisensory activities	-includes reproducible student booklet, song cd, patterns for games and activities, links to internet activities -multi-age level***
<a href="#">Friendly Chemistry</a>	8-12	N	-easily accessible materials for experiments -manipulatives sold separately	-teacher edition is necessary – includes the experiments, tests, etc.
<a href="#">Real Science 4 Kids (Gravitas)</a>	K-9	N	-Materials are easily accessible	-10 lessons per book at each level -consumable lab book or pages -teacher guide and lab sheets also available on cd-rom in pdf.files -multi-age level***
<a href="#">Great Science Adventures</a>	K-8	N	-easily accessible items	-all instruction and student pages in one book -can reproduce mini-books -multi-age level***
<a href="#">Home Science Adventure</a>	1-8	N	-Materials for experiments are included in the accompanying kit	-multi-age level***
<a href="#">Lyrical Science</a>	4-10	N	-you will need to add hands-on activities, field trips, etc.	-multi-age level*** -reproducible for family or classroom
<a href="#">McRuffy</a>	K-3	N	-science kit available from the publisher -items are easily accessible w/out the kit	-teacher edition has scripted lessons and is necessary -student workbook is consumable, not reproducible -packet of cards, charts, games, posters included in kit -grade specific**
<a href="#">Paradigm Accelerated</a>	8-12	N	-this course isn't lab based and is for the student who isn't as strong in math and not going on to college.	-activity books are consumable -teacher resource packet has ans. Key, quizzes, tests -may need to add labs
<a href="#">R.E.A.L. Science Odyssey</a>	1-4	N	-easily accessible materials	-Classical approach -reproducible for family use only or purchase additional student pages separately -no teacher edition, all instruction in one book -multi-age level***
<a href="#">Classquest Science</a>	5-8			

\*Secular (S): materials may include evolution, sex education, environmental awareness and issues, and tend to be politically correct. Some materials don't deal with either evolution or creation and therefore would be considered neutral (N).

\*\*Grade-specific: intended for use with a single grade level and usually includes content from the 3 branches of science—life science, physical science, and earth & space science.

\*\*\*Multi-age level: program is intended for use with a variety of age levels simultaneously, as opposed to one specific grade level.



## Rainbow Resource Science Curriculum

Product	Grade	*	Experiments & Supplies	Notes
<a href="#">Alpha Omega Science Lifepacs &amp; SOS</a>	1-12	B	-Materials are easily accessible -Experiment DVDs available	-Lifepacs are individual consumable worktexts -SOS is the computer format of the same content -Grade specific**
<a href="#">Apologia Elementary</a>	K-6	B	-Materials are easily accessible or kits are available -Notebooking and hands-on projects are included at the end of each module.	-Written specifically for homeschool use -Elementary levels use a CMason/immersion approach -no teacher guide, lesson plans are available if desired -Multi-age level***
<a href="#">Apologia Jr/Sr High Courses</a>	1-12	B	-Materials are easily accessible -Kits are also available for upper levels	-Written specifically for homeschool use -Upper levels are more traditional in approach -solutions manual, no teacher guide -grade specific**
<a href="#">Biology 101</a>	9-12	B	-simple labs with easily accessible items	-DVD instruction -pdf.files included for companion book and accreditation guide -may need additional labs for high school credit
<a href="#">Bob Jones Science</a>	1-12	B	-Materials for elementary grades are easily accessible -some materials for high school level labs are more difficult to acquire.	-Very traditional textbook approach - some information will be included in the teacher book only -grade specific**
<a href="#">Christian Kids Explore</a>	3-8	B	-easily accessible materials	-activity pages are reproducible for family use only -no teacher edition, all instruction in one book -multi-age level***
<a href="#">Christian Liberty</a>	K-3	B	-very simple experiments use items from around your home	-consumable workbooks -grade specific**
<a href="#">Considering God's Creation</a>	3-7	B	-very user friendly and experiments use easily found items	-consumable student book, reproducible for family use -cd of songs and poems to accompany lessons -multi-age level***
<a href="#">Discovering Nature Series</a>	4-8	B	-easily accessible materials	-Charlotte Mason Nature Study approach
<a href="#">God's Design series</a>	1-7	B	-easily accessible items	-activity pages are reproducible for family use -multi-age level***
<a href="#">Investigate the Possibilities</a>	3-8	B	-materials are easily accessible	-complete each section in one semester -very hands-on program -journal is consumable and combined with teacher guide in the earth science portion
<a href="#">Living Learning Books</a>	K-6	B	-Materials are easily accessible	-literature-based approach -a list of scripture readings which has been appended so that you have the option of working Bible study in with your science -multi-age level***
<a href="#">Purposeful Design</a>	1-6	B	-easily accessible materials	-traditional textbook approach for grades 4-5, consumable workbooks for grades 1-3 -intended for classroom but adaptable for homeschool -teacher packet includes overheads, posters, tests, reproducibles -grade specific**
<a href="#">Reason for Science</a>	1-8	B	-Kit available for purchase	-inquiry-based approach -grade specific**
<a href="#">Science Shepherd</a>	6-12	B	-Kit available for purchase	-Written specifically for homeschool use -only two courses available – life science & biology
<a href="#">Soli Deo Unit Studies</a>	1-4	B	-easily accessible items	-uses real books -multi-age level***
<a href="#">Truth in Science</a>	3-6	B	-easily accessible items	- teaches worldview and science together -dvd information is also available at publisher website -teacher edition includes substitutions and explanations for student labs, it is still considered optional
<a href="#">Evolution: Grand Experiment</a>	9-12	B	- no labs	- second volume titled Living Fossils - can use for 1 semester of science - dvd available for enhancement; lecturer's presentation cd-rom for use with coops

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### Supplemental workbooks

Focus on Science  
Science by the Grade  
Milliken Primary Science Series  
Steck-Vaughn Science Workbooks  
Science Power Practice  
Spectrum Science Test Practice  
Milliken Transparency / Reproducibles  
Experiences in Biology, Chemistry, & Physics

### Resources

Science Scope  
Giant Science Resource Book  
Kingfisher Science Encyclopedia  
DK Science Encyclopedia  
Book of Knowledge  
Usborne Illustrated Dictionary of Science  
American Heritage Student Science Dictionary  
First Encyclopedia series by Usborne  
Usborne Science Encyclopedia  
Janice VanCleave  
Wonders of Creation series from Master Book Publishers



# Internet Science Lab Sites

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"High School Science Lab" contains a variety of lab links

<http://www.osti.gov/sciencelab/highschool.html>

Adam-Human Body and how it works (fee)

[http://www.adameducation.com/Students\\_K12.aspx](http://www.adameducation.com/Students_K12.aspx)

Biology Labs and Teacher Notes

[http://serendip.brynmawr.edu/sci\\_edu/waldron/](http://serendip.brynmawr.edu/sci_edu/waldron/)

Virtual Fetal Pig Dissection

<http://www.whitman.edu/content/virtualpig>

Virtual Frog Dissection

[http://www.mhhe.com/biosci/genbio/virtual\\_labs/BL\\_16/BL\\_16.html](http://www.mhhe.com/biosci/genbio/virtual_labs/BL_16/BL_16.html)

Cow Eye

[http://www.exploratorium.edu/learning\\_studio/cow\\_eye/index.html](http://www.exploratorium.edu/learning_studio/cow_eye/index.html)

Cat Dissection

<http://bio.bd.psu.edu/cat/>

Web Based High School Chemistry Simulations

<http://cse.edc.org/products/simulations/catalog.asp#sodium>

On-Line Labs (Chemistry, Biology, Physics, Astronomy)

<http://onlinelabs.in/>

*\*While these websites appear to be suitable for mature teens, it is recommended the parent(s) review these sites prior to use by their children. Rainbow Resource Center does not endorse nor is liable for content therein any sites listed above, these links are simply provided as a resource for homeschool families.*

