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Questions? Just Ask...

Our friendly consultant team is here to answer your questions, M-F, 8:30-5 CT.









- Faith/Philosophy —	What worldview or philosophy do I want my children to know?
Christian: Faith-based or including instructional religious content.	
Neutral: Avoids religious or theoretical topics or presents multiple viewpoints without preference.	
Secular: Contains content contrary to common Christian beliefs (i.e. evolution).	
Approach to Teaching —	What approach fits my personality best? What approach do I think fit my child(ren) best?
Traditional: Teacher-centered curriculum commonly used in classrooms that may include a text, teacher manual, tests, etc.	-
Charlotte Mason: Developed by a 19th century educator who felt children learn best through understanding the world around them through living books and nature studies.	
Classical: Based on the Latin Trivium), includes the grammar stage (memorization and facts), logic stage (critical thinking), and rhetoric stage (developing/defending ideas).	
Unit Study: A thematic or topical approach centered around one topic that integrates multiple subject areas.	
Money —	→ Will a multilevel program fit my family's needs?
What local or on line resources are available to help me meet my homeschooling needs?	
- Individual —	How does your child learn best? What motivates them?
Auditory: Learns through listening, talking out loud or reading out loud.	
Visual: Learns through seeing, prefers written instructions and visual materials.	
Kinesthetic: Needs to move their whole body. Tactile: Learn best through sense of touch.	
Multi-sensory: Curriculum that employ a variety of activities/components.	
Life —	What season of life is your family in?
Are you educating young students, middle grades, high schoolers, or a mix? What events (a move, a new baby, illness, etc.) will be factors in your homeschool year? Do I have any specific science requirements that I must meet?	
- You	▶ What are your time limitations? Am I OK with the mess
Low Teacher Involvement: Student-led materials; parent acts as a facilitator.	of science labs at home?
Medium Teacher Involvement: A mix of teacher-led time and independent student work.	
High Teacher Involvement: Teacher-led lessons; may utilize discussions, hands-on activities & working together.	

SCEARNING STYLES



VISUAL LEARNERS...

- Prefer written instruction and/or visual materials.
- Excel by taking notes, marking & highlighting texts.

Note: A subcategory, Reading and Writing, retains info best by reading and writing information down.

Science Curriculum Options:

- Science Sheperd (Intro & Fundamental Courses)
- Memoria Press Science
- Elevate Science



Learn by seeing.



AUDITORY LEARNERS...

- Prefer to read aloud or listen to texts, songs.
- Excel by hearing instructions and talking through information.

Science Curriculum Options:

- Lyrical Science
- Science Sheperd (Intro to Science; Astronomy)
- 101 Science DVDs



Learn by hearing.



- Prefer to participate through active, wholebody movement.
- Excel by standing walking, or moving during lessons.

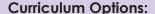
Curriculum Options:

- Reason for Science
- Discover! Science
- Young Science Series



- Prefer hands-on activities, writing/typing, building.
- Excel when learning through created or built projects.

Note: Some sources combine tactile and kinesthetic definitions.



- Apologia Science
- Berean Builders Science
- Science Chunks



Note: We have provided a few examples of science curriculum for each learning style. Some examples may fit into more than just one learning style.



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SCIENCE CURRICULUM COMPARISON CHART

								Gra	des							Religious Content			Price Range		
	SCIENCE Comprehensive Programs		К	1	2	3	4	5	6	7	8	9	10	11	12	Christian		Secular	\$	\$\$	\$\$\$
		PK •												••	12		recutiui	Jecului			777
1.	Apologia Elementary Science	•	•	•	•	•	•	•	•		_			_		•				•	
2.	Apologia Jr. High & High School Science			_						•	•	•	•	•	•	•				•	_
3.	Abeka Science		•	•	•	•	•	•	•	•	•	•	•	•	•	•					•
4.	BJU Press Science			•	•	•	•	•	•	•	•	•	•	•	•	•					•
5.	AOP Science			•	•	•	•	•	•	•	•	•	•	•	•	•				•	
6.	Elevate Science™ (Savvas) / Savvas Biology or Chem.		•	•	•	•	•	•	•	•	•	•	•	•	•			•		•	
7.	Elemental Science	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•		•		
8.	Berean Builders / Discovering Design		•	•	•	•	•	•	•	•	•	•	•	•	•	•				•	
9.	Sonlight Science		•	•	•	•	•	•	•	•	•	•				•					•
0.	Focus On Science (Gravitas/Real Science 4 Kids)		•	•	•	•	•	•	•	•	•						•				•
1.	Exploring the Building Blocks (Gravitas/RS4K)		•	•	•	•	•	•	•	•							•				•
2.	My Pals are Here / Earlybird Sci. (Marshall Cavendish)			•	•	•	•	•	•									•			•
3.	Science Matters (Marshall Cavendish)									•	•	•	•	•	•			•			•
4.	Purposeful Design Science			•	•	•	•	•	•	•	•	•				•					•
5.	Science Shepherd			•	•	•	•	•	•	•	•	•	•	•	•	•				•	
6.	Great Science Adventures		•	•	•	•	•	•	•	•	•						•		•		
17.	A Reason for Science			•	•	•	•	•	•	•	•					•					•
18.	God's Design for Science (MasterBooks)		•	•	•	•	•	•	•	•	•					•				•	
19.	R.E.A.L. Science Odyssey (Pandia Press)			•	•	•	•	•	•	•	•							•		•	
20.	Sassafras Science (from Elemental Science)	•	•	•	•	•	•	•	•								•			•	
21.	Home Science Adventures			•	•	•	•	•	•	•	•						•			•	
22.	Discovering Nature (Queen Homeschool)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			•		
23.	Christian Liberty Science	•	•	•	•	•										•			•		
24.	Let's Talk Science (MasterBooks)		•	•	•	•	•									•			•		
25.	DISCOVER! Science			•	•	•	•	•	•								•			•	
26.	Science Chunks			•	•	•	•	•	•								•		•		
27.	Memoria Press Science					•	•	•	•	•	•	•	•	•	•	•	•		•		
28.	Starline Press Science					•	•	•	•	•	•	•	•	•			•				•
29.	Christian Kids Explore (Bright Ideas Press)					•	•	•	•	•	•					•			•		
30.	Ellen McHenry's Basement courses					•	•	•	•	•	•	•					•		•		
31.	Heron Science						•	•	•								•			•	
32.	Lyrical Life Science / Lyrical Earth Science						•	•	•	•	•	•	•				•			•	
33.	Beautiful Feet Science		•	•	•	•	•	•	•	•						•	•			•	
34.	Joy Hakim's Story of Science							•	•	•	•							•		•	
35.	Exploring the World of Science (J.H. Tiner)								•	•	•	•				•			•		
36.	Friendly Science								•	•	•	•	•	•	•		•			•	
37.	Science Power Basics								•	•	•	•	•	•	•			•	•		
38.	Novare Science									•	•	•	•	•	•	•			H		•
39.	Paradigm Accelerated Science									•	•	•	•	•	•	_	•			•	
										\vdash							•				
10.	Signs & Seasons: Astronomy	_								•	•	•	•	•	•	•				•	
11.	Master's Class Science: Bio/Chem/Phys (MasterBooks)											•	•	•	•	•			•		
42.	The 101 Series: Gen Sci/Biology/Chemistry/Physics											•	•	•	•	•				•	
43.	Conservation Science											•	•	•	•			•		•	
14.	Riot and the Dance: Biology This shart was assembled by Painbow Possure											•	•	•	•	•				•	

This chart was assembled by Rainbow Resource Curriculum Consultants and is intended to be a comparative tool based on our own understanding of these programs and is not necessarily reflective of publishers' opinions. Some designations are "best fit," not absolute.



SCIENCE CURRICULUM COMPARISON CHART

	I	Approach		Teach	er Involv	ement	Labs/	Notes				
	Traditional	Charlotte Mason	Classical	Low	Med	High	Activities					
1.		•				•	•	Lab supply kits available.				
2.	•			•			•	Lab suppy kits available.				
3.	•					•	•	Health is a companion course option at some grade levels.				
4.	•					•	•	Lab supply kits available.				
5.	•			•			•	Workbook-based.				
6.	•				•		•	Student Books with 1-year digital teacher/student resources.				
7.			•			•	•	Additional text/reading resources required; high school texts online.				
8.	•				•		•	Lab supply kits available for most courses.				
9.		•			•			All-inclusive kits available in 4-days/week or 5-days/week options.				
10.	•				•		•	Covers science topically.				
11.	•				•		•	Covers science by grade level. Lab supply kits available.				
12.	•				•	•	•	From the same publisher as Singapore's Primary Math.				
13.	•				•		•	Lower Secondary program is for grades 7-8.				
14.	•				•		•	Teacher e-books available.				
15.	•			•	•		•	Video instruction required for elementary & Astronomy; optional Biology.				
16.		•				•	•	Multi-grade books. e-books available.				
17.	•					•	•	Lab supply kits included; refills available.				
18.	•				•		•	Combined student edition.				
19.			•		•	•	•					
20.		•				•	•					
21.		•				•	•	Kits can be used in multiple grades.				
22.		•				•	•	No high school lab component; activities are largely notebooking and research.				
23.	•			•	•		•					
24.		•				•	•	Reproducible student pages for family use.				
25.	•					•	•	Includes teaching suggestions for all learning styles.				
26.			•			•	•	Survey of Science using quality children's books! Flexible schedule.				
27.			•		•			Most guides are religiously neutral.				
28.	•			•			•	Workbook format.				
29.	•					•	•	e-book versions also available.				
30.	•				•	•	•	Topical courses: Elements, Carbon Chem, Botany, Cells, Protozoa, etc.				
31.	•			•			•	Self-pacing, mastery based. Additional lab supplies required.				
32.	•			•				Uses music.				
33.		•				•	•	Literature based. Seasons Afield includes scripture dedication.				
34.		•			•		•					
35.				•			•	Conceptual approach.				
36.	•				•		•	Video courses available.				
37.	•			•				4th grade reading level; good for struggling students.				
38.			•		•		•	Old Earth, Kingdom Perspective. Downloadable digital resources.				
39.	•			•				No High School Labs; Workbook format.				
40.	•				•		•					
41.	•				•		•	Lab supply kits available.				
42.	•			•			•	DVD based w/ PDF printouts.				
43.	•			•			•	Online Teacher/Student Course. Print workbook available.				
44.	•				•		•					

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Interactive Anatomy (fee): http://www.adameducation.com/

Virtual Fetal Pig Dissection:

https://www.whitman.edu/academics/majors-and-minors/biology/virtual-pig

Dissection 101 Site (Dogfish Shark, Earthworm, Clam, Crayfish, Sea Star (Starfish), Sheep Heart, Cow Eye, Frog and Perch):

https://illinois.pbslearningmedia.org/collection/dissection-videos-for-classroom-use/

Biology by Me:

https://www.youtube.com/@Biologybyme/videos

The Science Bank's Virtual Dissections:

https://thesciencebank.org/pages/online-dissection-resources

Chem Club:

https://teachchemistry.org/chemclub/

CK12 Chemistry Simulations:

https://interactives.ck12.org/simulations/chemistry.html

CK12 Physics Simulations:

https://interactives.ck12.org/simulations/physics.html

Flinn Scientific Free Science Lab Activities (Chemistry, Biology, Physics, Earth Science):

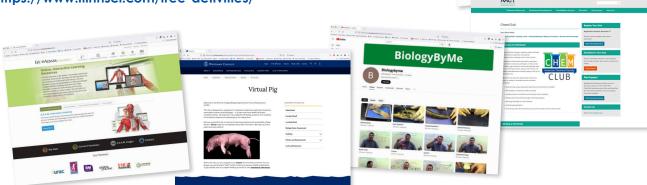
https://www.flinnsci.com/free-activities/

SUPPLEMENTAL WORKBOOKS:

- Spectrum Science
- 180 Days of Science
- Evan Moor Daily Science
- Core Skills Science
- Science by the Grade
- STEM:Engaging Hands-On Challenges

RESOURCES:

- Handbook of Nature Study
- Nature Connection
- Interactive Notebooks
- Kingfisher Science Encyclopedia
- My Own Books
- Let's Read and Find Out Science
- Science Comics (Macmillan)
- Max Axiom Graphic Science Books
- Christian Liberty Nature Readers



^{*}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.

