



# Science Comparison Chart

Curriculum	Abeka Science <a href="#">CLICK HERE</a>	ACE PACEs <a href="#">CLICK HERE</a>	A Reason for Science <a href="#">CLICK HERE</a>	BJU Press Homeschool <a href="#">CLICK HERE</a>	Calvert Science by Alpha Omega <a href="#">CLICK HERE</a>	Christian Kids Explore Science by Bright Ideas Press <a href="#">CLICK HERE</a>	Christian Liberty Press Science <a href="#">CLICK HERE</a>	Classical Science Series by Elemental Science <a href="#">CLICK HERE</a>	Discovering Design Series by Berean Builders <a href="#">CLICK HERE</a>	Exploring Creation Elementary Grades by Apologia <a href="#">CLICK HERE</a>	Exploring Creation Middle/High School by Apologia <a href="#">CLICK HERE</a>	God's Design for Science by Master Books <a href="#">CLICK HERE</a>	Great Science Adventures <a href="#">CLICK HERE</a>	Janice VanCleave Science for Every Kid <a href="#">CLICK HERE</a>	J. Hudson Tiner Science Surveys by Master Books <a href="#">CLICK HERE</a>
<b>Style</b>	Traditional	Independent Study Self-paced Workbooks	Activity based Multi-sensory	Traditional	Self-paced Workbooks	Activity-based Unit Study	Traditional	Classical, Charlotte Mason	Independent Study Traditional lab science	Non-traditional Charlotte Mason inspired	Traditional	Traditional	Eclectic Unit Studies Charlotte Mason	Supplemental activities	Independent Study Unit Study Supplement
<b>Christian or Secular</b>	Christian	Christian	Christian	Christian	Secular	Christian	Christian	Secular	Christian	Christian	Christian	Christian	Neutral	Secular	Christian
<b>Science Disciplines</b>	Surveys of science disciplines in elementary grades Traditional middle/high school science courses and sequence	Surveys of science disciplines in elementary grades Traditional middle/high school science courses and sequence	Each level covers Earth Science, Life Science, and Physical Science	Surveys of science disciplines in elementary grades Traditional middle/high school science courses and sequence	Each year is a survey of scientific concepts	Chemistry Physics Earth & Space	Each elementary grade year is a survey of scientific concepts	Biology Earth Science/Astronomy Chemistry Physics	Earth Science Biology Chemistry Physics	Early Elementary — Botony Zoology Astronomy Upper Elementary — Earth Science Human A&P Chemistry & Physics	Traditional middle/high school science courses and sequence, as well as advanced science courses	Life (biology) Heaven & Earth (physical science, earth science) Chemistry & Ecology	Volumes cover specific topics in earth science, physical science, and life science	Many science topics	Earth Science Biology Mathematics Chemistry Physics Astronomy Medicine
<b>Grade Levels Available</b>	Kindergarten — Grade 12	Kindergarten — Grade 12	Grades 1 – 8 labeled A – H	Kindergarten — Grade 12	Kindergarten — Grade 4	Multi-age courses for grades 1 – 6	Kindergarten — Grade 3 Two High School courses	Grammar Stage Logic Stage Each course designed to span 2 years	High school grades	Preschool course Multi-age elementary levels are written for Grades 1 – 6	Grades 7 – 12	Multi-age: Two books cover K – 2 Grades 3 – 8	Kindergarten – Grade 8	Elementary & Middle School	Grades 7 – 12
<b>Online Component</b>	None	None	None	Yes, teacher resources	None	PDF Downloads of reproducible pages are available Third-party online supplements may be listed as options resources	None	None	Optional supplemental resources including videos and articles	Depending on course there may be online resources	Some teacher resources on line	Some PDF downloadable resources	Optional - some lessons include third-party online references and resources	None	None
<b>Prerequisites</b>	Check high school courses for prerequisites	Check high school courses for prerequisites	None	Check high school courses for prerequisites	None	None	None	None, though students may benefit from completing the courses in order	Chemistry and Physics: see descriptions for prerequisites	None	Yes, check each high school course for prerequisites	None	None	None	None
<b>Lab Kits or Other Supplements</b>	Supplied by educator	Supplied by educator	Yes, Materials Kit for each level	Lab Kits compiled by BJU Press and other companies are available	Supplied by educator	Supplied by educator	Supplied by educator	Supplied by educator	Other companies have compiled lab kits and teaching supplements	Other companies have compiled lab kits and teaching supplements	Other companies have compiled lab kits and teaching supplements	Supplied by educator	Supplied by educator	Supplied by educator	None
<b>Teacher Involvement</b>	Originally intended for classroom use, Abeka is teacher intensive	Student self-paced so minimal teacher involvement	Teacher intensive	Originally intended for classroom use, BJU Press Homeschool Science is teacher intensive	Some teacher involvement, but intended to be student-paced	Teacher intensive for younger students	Teacher intensive for younger students	Grammar Stage courses are teacher intensive Logic Stage courses expect students to be more independent	Minimal teacher involvement Curriculum is written to the student	Teacher intensive — textbooks are not written for early readers, so work best as read-alouds in the early years. Designed to be discussion and narration of content and Questions	Teacher involvement recommended - text written to the student so it may be possible for some courses to be completed semi-independently	Teacher intensive for younger grades	Teacher intensive - books are used by the teacher/parent, not the student. Pages are reproducible within the "classroom" or family	Varies according to topic and activity	Minimal teacher involvement
<b>Features</b>	<ul style="list-style-type: none"> <li>* Abeka subjects all have multiple components (Student/Teacher Editions, answer keys, quiz &amp; test books, lab books, etc.) so parents decide what resources to use</li> <li>* Grades 1-6 are 27-week/3 quarter courses, with the fourth quarter reserved for Health course</li> </ul>	<ul style="list-style-type: none"> <li>* Self-paced workbooks are meant to be completed independently</li> <li>* Answers are available in Score Key booklets</li> </ul>	<ul style="list-style-type: none"> <li>* Interactive lessons with activities, experiments, visual demonstrations, Scripture object lessons, journaling</li> <li>* Emphasizes conceptual understanding</li> <li>* Originally written for classrooms with discussions and collaborative activities, but may be adapted to use with one student</li> <li>* Each level has a Materials Kit with necessary activity/experiment supplies for 3 to 5 students</li> </ul>	<ul style="list-style-type: none"> <li>* Teacher Editions have instructions, background information, additional enrichment activities, comprehensive questions, notes, and reduced student pages</li> <li>* Editions are not compatible with newer/older editions</li> </ul>	<ul style="list-style-type: none"> <li>* Most levels consist of 10 consumable student workbooks and one teacher's guide</li> <li>* Teacher's guide includes teaching supplements and notes, answer keys, additional resources and activities</li> </ul>	<ul style="list-style-type: none"> <li>* Text serves as both teacher and student book (answer key in appendix)</li> <li>* One activity or experiment with each lesson</li> <li>* Includes recommended resources (like books, dvds, etc.)</li> <li>* Useful for non-science students or for use with additional supplements or as a supplement to another course</li> </ul>	<ul style="list-style-type: none"> <li>* Creation-based science curriculum</li> <li>* Affordable, consumable colorful student texts</li> <li>* Grade-level nature Readers add Charlotte Mason style nature study/science component for younger grades</li> </ul>	<ul style="list-style-type: none"> <li>* Teacher Guide includes full-year schedule with 2-day and 5-day detailed lesson plans</li> <li>* Using some Charlotte Mason teaching methods, the Student Notebook can be designed as notebook journal or a lapbook</li> <li>* May work for neuro-diverse students and kinesthetic learners</li> <li>* Includes required reading and resources that must be acquired separately</li> <li>* Includes experiments Logic stage suggests students complete a science project</li> </ul>	<ul style="list-style-type: none"> <li>* Lab-science courses that emphasize critical thinking with discussions on worldview, and ethical topics</li> <li>* Requires lab notebooks, not included</li> </ul>	<ul style="list-style-type: none"> <li>* Organized by age-range, not by grade level</li> <li>* No teacher's manual</li> <li>* Student Notebook Journals are "workbooks" that accompany each textbook</li> <li>* Suggested lesson schedule included in Notebooks</li> </ul>	<ul style="list-style-type: none"> <li>* No teacher edition, but separate Solutions Manual as a resource</li> <li>* These courses are lab sciences, so lab equipment and resources will be necessary. Lab reports are assigned and part of the Student Notebook for each</li> <li>* Lots of opportunities for review and assessments</li> </ul>	<ul style="list-style-type: none"> <li>* Each chapter consists of brief informational reading, vocabulary word list, usually two or more activities or experiments, "Taking It Further" activity for older students and comprehension questions</li> </ul>	<ul style="list-style-type: none"> <li>* Teaches science using "arts &amp; crafts", lapbooks, graphic organizers, book suggestions, and other resources</li> <li>* Instructions for experiments that use common household supplies</li> <li>* Optional activities can be used to challenge upper elementary and middle school students</li> <li>* Option for neuro-diverse kinesthetic, sensory students – no textbook, very hands-on, creative opportunities</li> </ul>	<ul style="list-style-type: none"> <li>* Books are divided by categories, so you can select and experiment to match a science topic; Index connects experiments to science concept</li> <li>* Excellent supplemental resource</li> <li>* Each experiment has a list of materials needed (household items), purpose, detailed instructions, and expected results</li> </ul>	<ul style="list-style-type: none"> <li>* Titles explore scientific history and concepts</li> <li>* Comprehension and critical thinking</li> <li>* Use stand-alone title as supplements to history or science courses or with Master Books' Teacher Guides</li> <li>* Author has also written two scientist biography series: Champions Series and Sowers Series</li> </ul>



# Science Comparison Chart

Curriculum	<b>LFBC Science</b> <a href="#">CLICK HERE</a>	<b>LIFEPAC Science by Alpha Omega</b> <a href="#">CLICK HERE</a>	<b>Master Books Science Courses</b> <a href="#">CLICK HERE</a>	<b>Master's Class High School Science by Master Books</b> <a href="#">CLICK HERE</a>	<b>Memoria Press Nature &amp; Science Courses</b> <a href="#">CLICK HERE</a>	<b>My Pals Are Here Science</b> <a href="#">CLICK HERE</a>	<b>Mystery of Science by Bright Ideas Press</b> <a href="#">CLICK HERE</a>	<b>Novare Science</b> <a href="#">CLICK HERE</a>	<b>Paradigm Accelerated Courses (PAC)</b> <a href="#">CLICK HERE</a>	<b>Purposeful Design by ACSI</b> <a href="#">CLICK HERE</a>	<b>REAL Science Odyssey</b> <a href="#">CLICK HERE</a>	<b>Sassafras Science Adventures by Elemental Science</b> <a href="#">CLICK HERE</a>	<b>SAVVAS Science</b> <a href="#">CLICK HERE</a>	<b>Science Through History Series by Berean Builders</b> <a href="#">CLICK HERE</a>	<b>Science Shepard</b> <a href="#">CLICK HERE</a>
<b>Style</b>	Independent Study	Independent Study Self-paced Workbooks	Varies	Traditional	Classical	Traditional	Traditional	Traditional	Independent Study Self-paced Workbooks	Traditional with Activities	Classical	Charlotte Mason-inspired, Unit Study	Traditional worktext with interactive and online elements	Traditional - Historically organized levels may appeal to Charlotte Mason and Classical Homeschoolers	Independent Study Traditional
<b>Christian or Secular</b>	Christian	Christian	Christian	Christian	Christian/Neutral	Secular	Christian	Christian	Secular	Christian	Secular	Secular	Secular	Christian	Christian
<b>Science Disciplines</b>	Nature Creation Anatomy & Physiology Earth Science Biology Physical Science Biblical Living Scientific Creationism	Surveys of science disciplines in elementary grades  Traditional middle/high school science courses and sequence	Multiple science disciplines including specialized earth sciences, forensic science, astrophysics, pre-med, etc.	Biology Chemistry Physics	Multiple science disciplines	Each grade level is a survey of several science disciplines	Biology with more science volumes planned	Physical Science Earth Science Biology Chemistry Physics	Surveys of science Physics & Chemistry Biology Anatomy & Physiology	Survey of science in elementary grades Life Science Earth & Space Physical Science	Life/Biology Earth & Environment Chemistry Physics Astronomy	Zoology Anatomy Botony Earth Science Geology Astronomy Chemistry	Survey of science in elementary grades  Earth Science Biology Chemistry	Each level covers a specific historical time period so relevant scientific disciplines for that time period are covered	Introductory Science (survey of sciences) Life Science (no labs) Physical Science Chemistry Biology Astronomy
<b>Grade Levels Available</b>	Grades 1 – 12	Grades 1 – 12	Grades 1 – 12	Grades 9 – 12	Grades 2 – 9	Grades 1 – 6	Grades 4 – 8, may be suitable for elementary grades as well	Grades 7 – 12	Grades 7 – 12	Grades 1 – 9	Level 1: Grades K – 6 (check course descriptions for recommended grade ranges) Level 2: Grades 6– 10	Grammar Stage	Grades 1 – 12	Levels are multi-age from Elementary through Middle School Atomic Age for Grade 7/8	Grades 1 – 12
<b>Online Component</b>	None	None	Varies	None	None	None	Lab manual download that also has lesson guides, quizzes, puzzles, tests, experiments, and hands-on activities	Supplemental online resources	Online option for course materials	Downloadable teacher resources such as blackline masters, tests and answer keys	None	None	Yes, one year access to Savvas Realize (teacher and student online resources)	Optional supplemental resources	None
<b>Prerequisites</b>	None	Yes, check each high school course for prerequisites	Yes, check each high school course for prerequisites	Yes, check each high school course for prerequisites	None	None	None	Yes, check each high school course for prerequisites	None	None	None	None, though students may benefit from completing the courses in order	None	None, although completing in historical order may be helpful	None
<b>Lab Kits or Other Supplements</b>	Supplied by educator	Lab kits compiled by other companies are available for most grades  DVD of science experiments available for most grades	Supplied by educator	Supplied by educator	Supplied by educator	Supplied by educator	Supplied by educator	Supplied by educator, many labs require typical high school laboratory equipment	None	Supplied by educator	Supplied by educator	Supplied by educator	Supplied by educator	Other companies have compiled lab kits and teaching supplements	Supplied by educator
<b>Teacher Involvement</b>	Minimal teacher involvement	Some teacher involvement, but intended to be student-paced	Varies	Minimal to moderate teacher involvement Lab work may require teacher supervision	Teacher intensive	Teacher intensive	Teacher involvement for younger students; may also work for independent older students	Teacher intensive Labs are essential and assume teacher supervision	Moderate teacher involvement	Teacher intensive for younger grades; minimal teacher involvement for older grades	Level 1 is teacher intensive Level 2 requires low teacher involvement	Teacher intensive	Teacher intensive	Teacher intensive for younger students Atomic Age designed for Grade 7/8 students to work independently	Minimal teacher involvement
<b>Features</b>	<ul style="list-style-type: none"> <li>* Bible based creation science viewpoint</li> <li>* Uses KJV translation</li> <li>* Similar in style to AOP LIFEPAC and ACE Paces</li> <li>* Divided into semesters</li> </ul>	<ul style="list-style-type: none"> <li>* 10 workbooks and one teacher guide in each Complete Set</li> <li>* Complete or 1/2 semester science courses but also supplemental uses: individual work books can fill in knowledge gaps and give extra practice for students who need more time on a science concept.</li> <li>* Placement tests available</li> </ul>	<ul style="list-style-type: none"> <li>* Master Books offers many science curricula for elementary through high school</li> <li>* Courses often use stand-alone books with a Teacher Guide that includes lesson schedule, worksheets, assessments, and answer key</li> <li>* These courses may be helpful to fill in gaps or as electives</li> </ul>	<ul style="list-style-type: none"> <li>* Lab science courses with a strong biblical worldview</li> <li>* Courses run 5 days/week for 36 weeks</li> </ul>	<ul style="list-style-type: none"> <li>* Courses cover age ranges, not specific grade levels</li> <li>* Year-long as well as shorter half-year courses</li> <li>* Some courses use books and resources (like flash cards) that must be purchased separately</li> <li>* Upper elementary and middle school courses provide teacher resources and student workbooks based on J. Hudson Tiner titles</li> </ul>	<ul style="list-style-type: none"> <li>* International edition with British spelling and metric measurements</li> <li>* Divide into two semesters for each grade level</li> <li>* Year-long as well as shorter half-year courses</li> <li>* Based on "5E Instructional Model"</li> </ul>	<ul style="list-style-type: none"> <li>* Student Reader with a downloadable Lab Manual PDF</li> <li>* Brief, engaging lessons, colorful pages</li> <li>* Focuses on classification</li> </ul>	<ul style="list-style-type: none"> <li>* Novare Science covers fewer topics within a discipline in greater depth to promote mastery, deep understanding of the scientific concepts, and making connections with other academic subjects (mathematics, history, language arts)</li> <li>* Because discussion and group study/labs are major parts of the learning experience, Novare may be better for group settings</li> <li>* Labs are essential and should not be skipped and require adult supervision</li> <li>* Math heavy</li> <li>* Christian/Old Earth Perspective</li> </ul>	<ul style="list-style-type: none"> <li>* Designed as a remedial curriculum and for students who face challenging home settings</li> <li>* Secular but friendly to Christian families <i>Integrated Chemistry &amp; Physics</i> course is written by J. HudsonTiner</li> <li>* Same methodology as ACE Paces, with fill-in-blanks, multiple choice, short answer questions, etc.</li> <li>* No lab work and minimal complex mathematical equations</li> </ul>	<ul style="list-style-type: none"> <li>* Written for a classroom setting, elementary courses have multiple hands-on activities, scientific investigations, and engineering design process activities</li> </ul>	<ul style="list-style-type: none"> <li>* Hands-on approach to science emphasizing the scientific method and age appropriate math</li> <li>* Students make notebooks and science journals</li> <li>* Includes suggested resources like book titles and websites</li> </ul>	<ul style="list-style-type: none"> <li>* Each course is intended to cover one semester on a 2-day or 5-day schedule</li> <li>* The spine for each course is a "Sassafras Twins" novel chapter summaries, reading assignments from a recommended book list, and plenty of optional activities for different age levels</li> <li>* has a logbook/notebook and lapbook guide for students to choose from</li> </ul>	<ul style="list-style-type: none"> <li>* Hands-on, inquiry-based lessons encourage problem-solving, focus on the engineering design process</li> <li>* Elevate includes "Quest" storylines with comprehension checks and hands-on and virtual labs</li> <li>* Connections with other academic subjects</li> <li>* High school courses are interactive with real world case studies and everyday phenomena</li> <li>* High School courses provide four versions of each hands-on lab/experiment</li> </ul>	<ul style="list-style-type: none"> <li>* Unique curriculum that teaches science with a historical perspective</li> <li>* Experiments integrated into the chapter content</li> <li>* Younger students are non-writers so there is no notebook. There are notebooks for Older and Oldest students</li> <li>* Not test-heavy, however some tests are in the Helps &amp; Hints teacher resource</li> </ul>	<ul style="list-style-type: none"> <li>* Written and developed by a homeschool dad</li> <li>* Dense print with smaller font with higher reading level</li> <li>* Three courses have video lessons on DVD. Biology course also has a Lab DVD</li> </ul>