



Math 2023 Comparison Chart

Curriculum	A+ Interactive Math, Family Package CLICK HERE	Abeka CLICK HERE	ACE PACEs CLICK HERE	BJU Press Homeschool CLICK HERE	Calvert CLICK HERE	EnVision by Savvas CLICK HERE	Exploring Creation with Mathematics by Apologia CLICK HERE	Horizons by Alpha Omega CLICK HERE	Key To... Series CLICK HERE	LIFEPAC by Alpha Omega CLICK HERE	Life of Fred CLICK HERE	Master Books Junior High & High School Math CLICK HERE	Math in Focus: the Singapore Approach CLICK HERE	Math Lessons for a Living Education by Master Books CLICK HERE
Style	Online, Self-paced	Traditional	Self-paced Workbooks	Traditional	Workbooks	Traditional	Traditional/Interactive	Traditional	Math Supplement Self-paced Workbooks	Self-paced Workbooks	Very non-traditional Narrative-based lessons	Traditional Self-paced	Singapore Approach	Charlotte Mason Interactive Multi-sensory
Spiral/Mastery	Mastery	Mastery	Mastery	Mastery	Mastery	Mastery	Mastery	Spiral	Mastery	Mastery	Mastery	Varies	Mastery	Spiral
Christian or Secular	Secular	Christian	Christian	Christian	Secular	Secular	Christian	Christian	Secular	Christian	Some Christian content in story; can be used as secular	Christian (KJV)	Secular	Christian
Manipulatives	No	Yes, in younger grades. manipulatives sold separately.	If manipulatives are necessary, they are not included.	If manipulatives are necessary, they are not included.	Yes, supplied by educator.	If manipulatives are necessary, they are not included.	Yes, household items.	Yes Gr K-3: 846350 Gr 4-6: 846360	No	Yes, for K-2 manipulatives are necessary, supplied by educator.	No	For Geometry: straight-edge and compass.	If manipulatives are necessary, they are not included.	Yes, household items and paper-based manipulatives provided in book.
Online Component	Entire program is online	None	None	Online "Homeschool Hub" has teacher resources.	None	Online access for one year and include teacher resources, answer keys, games, and quizzes.	Online access includes games, printables, and helpful third-party websites.	None	None	None	None	None	None	Grade 1 -3 Answer Key is only online.
Grade Levels Available	Grades 1-6 PreAlgebra	Preschool — Grade 12	Kindergarten — Grade 12	Preschool — Grade 12	Preschool — Grade 4	Grades 1 — Geometry	Grades 1-5	Kindergarten – Grade 8	No grade levels as workbooks are topic-based	Kindergarten – Grade 12	Grades 1 – College	Grade 6/7/8: Principles of Mathematics Jacobs Algebra 1 Algebra 2 Jacobs Geometry	Grades 1 – 8	Grades 1 – 6
Teacher Involvement	Student self-paced so minimal teacher involvement.	Originally intended for classroom use, Abeka is teacher intensive.	Student self-paced so minimal teacher involvement.	Originally intended for classroom use, BJU is teacher intensive.	High teacher involvement.	Developed for classroom use, enVision is teacher intensive.	Teacher-intensive with multi-sensory interactive lessons.	Teacher-intensive multi-sensory lessons require interaction between teacher and students.	Student self-paced so minimal teacher involvement.	Student self-paced, but teacher involvement is highly encouraged.	Self-paced and relies on self-teaching learning style. Minimal teacher involvement.	Relies on self-teaching learning style. Minimal teacher involvement. Geometry benefits from teacher involvement.	Teacher involvement necessary especially in lower grades.	Teacher involvement is important through Grade 2. Grade 3 and up students can be more independent.
Features	* Parents may adjust child's grade level at any time and complete lessons at lower/higher grade level, then return to original grade level.	* Abeka subjects have multiple components, so parents decide what parts of the program they want to use. * Abeka is considered a rigorous program.	* Self-paced workbooks are meant to be completed independently. * Answers are provided in Score Key booklets.	* Lessons follow a character's storyline through the year.	* Workbooks can be purchased individually to fill in knowledge gaps	* Print/digital blend curriculum. * Online access is for one year.	* Makes connections between Math, Science, Business, and Art as children learn to see the value of math in God's creation.	* Lots of repetition and review, helpful for students with math-anxiety.	* Workbooks concentrate on one specific area of mathematics * Supplemental, not a complete program. * Step-by-step approach	* 10 workbooks/ 1 Teacher Guide. * Complete math course but also supplemental uses: individual workbooks can fill in knowledge gaps and give extra practice if older students need remediation.	* Considered a full mathematics curriculum, not supplemental. * Emphasis on conceptual understanding.	* Comic strips, poetry, stories, practical applications make math engaging. * Teacher Guide has student worksheets, quizzes, tests. * Step-by-step solutions in Solutions Manual.	* US version of Singapore "My Pals Are Here" (MPH) program. * Teaches Singapore Math 3-step learning process: concrete-pictorial-abstract.	* Story-based lessons with lots of hands-on activities, critical thinking, discussion. * Teaching Companion covers all six levels and includes teaching tips, instructions for manipulatives, recipes, readiness tests, math games.



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Curriculum	Math-U-See CLICK HERE	Math with Confidence by Well Trained Mind CLICK HERE	Miquon Math CLICK HERE	Purposeful Design/ACSI CLICK HERE	Primary Mathematics: Singapore Approach CLICK HERE	"Ray's for Today" Ray's Arithmetic CLICK HERE	RightStart CLICK HERE	Saxon Original/Classic Kindergarten - Grade 3 CLICK HERE	Saxon 3rd Edition Original/Classic 5/4 - Calculus CLICK HERE	Saxon Intermediate Grades 3 - 5 CLICK HERE	Saxon 4th Edition Algebra 1, 2 Geometry 1st Edition CLICK HERE	ShillerMath CLICK HERE	VideoText Interactive for Algebra & Geometry CLICK HERE
Style	Concept-based	Traditional Interactive	Workbooks with Cuisenaire Rods Multi-sensory	Traditional	Singapore Approach	Charlotte Mason, Eclectic Multi-sensory	Non-traditional Multi-sensory	Traditional Multi-sensory	Traditional	Traditional	Traditional	Non-traditional Multi-sensory	Non-traditional Video lessons
Spiral/Mastery	Mastery	Mastery	Mastery	Mastery	Mastery within Units	Mastery	Combination of Spiral and Mastery	Incremental Spiral	Incremental Spiral	Incremental Spiral	Incremental Spiral	Spiral	Mastery
Christian or Secular	Some Christian content in word problems; can be used as secular.	Secular	Secular	Christian	Secular	Secular	Secular	Secular	Secular	Secular	Secular	Secular	Secular
Manipulatives	Yes. use of the MUS Integer Blocks is essential. Zeta, Epsilon have new manipulatives. None used after Algebra 1.	Yes, household items. Paper-based manipulatives provided in book.	Yes, Cuisenaire Rods sold separately.	If manipulatives are necessary, they are not included.	Yes, not included.	Yes, not included.	Yes, sold separately.	Yes, sold in a kit. Choose from #s 846200, 382001.	Yes, paper manipulatives included in Tests/Worksheets book.	Optional	No	Yes, heavily dependent on manipulatives. Virtual Kits manipulatives are household items	No
Online Component	Required online Digital Pack includes video lessons, drill app, interactive resources, and more.	None	None	Online download access to Teacher Resources	PM 2022 has online access to student and teacher resources.	None	None	None	None	None	None	Original: none Virtual Kits are completely online with downloadable materials.	None
Grade Levels Available	Kindergarten - Grade 12	Grades 1 - 3	Grades 1 - 3	Grades 1 - 6	Grades 1 - 6	Grades 1 - 6	Grades K - 8 Levels may take more than one year to complete.	Kindergarten - Grade 3	Grades 4 - 12	Grades 3,4,5	Grades 8 - 12	Preschool - PreAlgebra: Each kit covers a range of grades.	High school
Teacher Involvement	Teacher involvement necessary in lower grades and encouraged at higher levels.	Teacher-intensive interactive lessons with use of manipulatives and math games.	Teacher-intensive	Originally intended for classroom use, it is teacher intensive.	Teacher intensive	Levels 1 - 3: Teacher intensive Levels 4 - 6: student self-paced with some teacher involvement	Teacher-intensive—teacher involvement is a requirement	Teacher intensive	Teacher involvement encouraged. Students can work independently with teacher checking work.	Teacher involvement encouraged. Requires more teacher involvement than Classic.	Teacher involvement encouraged.	Multi-sensory, Montessori-based manipulative curriculum so is teacher intensive.	Student self-paced, but some teacher involvement may be necessary.
Features	<ul style="list-style-type: none"> * Each year focuses on ONE concept/operation. * Teaches conceptual understanding of math. * Multi-sensory video based lessons, good for neuro-diverse students, students who struggle with self-confidence in math. 	<ul style="list-style-type: none"> * Instructor Guide includes suggestions for math picture book read-alouds, enrichment and review activities and games, and blackline masters for paper-based manipulatives. 	<ul style="list-style-type: none"> * Hands-on, kinesthetic learning. * Core math curriculum or supplement, it is also useful as remediation for older students or students with learning challenges. 	<ul style="list-style-type: none"> * Grades 1-3 consumable Student Worktext. * Grades 4+ non-consumable Student Textbook. 	<ul style="list-style-type: none"> * Teaches 3-step learning process: concrete-pictorial-abstract. 	<ul style="list-style-type: none"> * Rewrite of 1800s Ray's Arithmetic * Lots of word problems, mental math, and oral math drills. * Levels 1 - 3: hands-on, concrete; Levels 4 - 6: pictorial and abstract. 	<ul style="list-style-type: none"> * Kinesthetic program. Uses a variety of manipulatives. * Strong emphasis on conceptual understanding. * Very non-mathy feel for neuro-diverse students and children with math anxiety. 	<ul style="list-style-type: none"> * Lessons are scripted in Teacher's Edition. * Not written by John Saxon. 	<ul style="list-style-type: none"> * Saxon's strength is skill development with extensive practice problem sets. * Student textbook and Solution Manual, no Teacher Edition. 	<ul style="list-style-type: none"> * Same content as Saxon Classic. Additional content has been added to align course to CC. * No Teacher Edition * Developed to be used in schools. 	<ul style="list-style-type: none"> * Algebra 1 and Algebra 2 total rewrite. * Geometry content from Algebra books removed and a separate Geometry course added. * Trigonometry content has been added. 	<ul style="list-style-type: none"> * Parent teaches from the scripted Lesson Book; no Teacher Edition. 	<ul style="list-style-type: none"> * Video based instruction. Videos are the "textbook." * Algebra course covers Pre-algebra, through Algebra 2. * Geometry course covers Geometry, Trigonometry, Pre-Calculus. * VideoText's believes students should start program from beginning, regardless of previous experience.