






Math Curriculum Guide

K-12th Curriculum


Cost Key: \$ under \$50 \$\$- \$50-\$100 \$\$\$- \$100-\$150 \$\$\$\$- \$150+

Saxon Math	Grades	Format	Parent Provided Direct Instruction	Prep-Time	Parent Comfort Level with Math Instruction	Cost	Vendor	Common Core Aligned
	K-12	Text & Workbooks	Yes	Low	Med-High			No

SPCA Curriculum! Back-to-basics approach to math that offers solid math practice and skill assessment. Spirals concepts for mastery. Focuses on math fact mastery. Less creative problem solving and exploration, so students with strong math skills or interest in conceptual understanding may want to seek a different curriculum. About ½ grade level behind in grade level standards. Students should move up a level as soon as they can. Can be purchased through vendors such as A Brighter Child, Rainbow Resource, etc. www.cathyduffyreviews.com

Nicole the Math Lady + Saxon	Grades	Format	Parent Provided Direct Instruction	Prep-Time	Parent Comfort Level with Math Instruction	Cost	Vendor	Common Core Aligned
	K-12	Videos & Online Grading	No	Low	Low-Med	\$\$\$\$	Yes	No

Nicole the Math Lady teaches every lesson in the Saxon Math Textbooks in on-demand videos that can be accessed anytime. Students can enter their assignments, which are automatically graded, into the online grading program. You will need to purchase the Saxon curriculum as well as the subscription from Nicole the Math Lady. <https://nicolethemathlady.com/>

My Math Assistant + Saxon	Grades	Format	Parent Provided Direct Instruction	Prep-Time	Parent Comfort Level with Math Instruction	Cost	Vendor	Common Core Aligned
	5 - 12	Pre-recorded videos OR Live classes	No	Low	Low-Med	\$\$\$\$	Yes	No

The ultimate companion website for **Saxon Math**. Video teaching, immediate feedback via self-grading, college test prep videos, and integrated math facts practice all help to create more independence with Saxon Math Video lessons. Online grading and data help to manage your students' math course progress and concept mastery. <https://www.mymathassistant.com/>

Bright Thinker	Grades	Format	Parent Provided Direct Instruction	Prep-Time	Parent Comfort Level with Math Instruction	Cost	Vendor	Common Core Aligned
	K-12	Online OR Workbooks	Parent Support	None	Low	\$\$\$\$	Yes	Yes

Virtual learning program with the option to have workbooks for each class in addition to online option (the online offerings and workbooks are the same materials). Standards-aligned content, mastery-based approach, instruction through videos and tutorials. All grade levels, core subjects and electives available. <https://brightthinker.com/curriculum/>

Khan Academy	Grades	Format	Parent Provided Direct Instruction	Prep-Time	Parent Comfort Level with Math Instruction	Cost	Vendor	Common Core Aligned
	K-12	Online	Parent Support	None	Low	Free	N/A	Yes

Parents and teacher can be set up as coaches to monitor student progress, video instruction, built in hints to solve problems, master based, students can choose concepts in the order they want to work on throughout the year, student can test out of a topic through mastery tests, offers traditional High School courses (i.e., Algebra 1, Geometry, etc.) www.khanacademy.org

Teaching Textbooks	Grades	Format	Parent Provided Direct Instruction	Prep-Time	Parent Comfort Level with Math Instruction	Cost	Vendor	Common Core Aligned
	K-12	Workbooks (w/ DVDs)	Yes	Low	Low	\$\$	Yes	No
		Online	Parent Support	None	Low	\$		

Helpful for students who struggle with math, shorter problems sets, interactive lessons on DVD or online, online diagnostic to determine grade level, about ½ grade level behind grade level standards so students should move up a level as soon as they can.
www.teachingtextbooks.com

Time4Learning	Grades	Format	Parent Provided Direct Instruction	Prep-Time	Parent Comfort Level with Math Instruction	Cost	Vendor	Common Core Aligned
	K-12	Online	Parent Support	Low	Low	\$\$\$\$	Yes	No

Focus on fundamental math concepts and skills, interactive math program that correlates to all state standards, animated lessons, instructional videos, quizzes and tests, printable worksheets, student-paced, automated grading and recordkeeping, lesson plans, traditional math courses in high school. www.time4learning.com

Math U See	Grades	Format	Parent Provided Direct Instruction	Prep-Time	Parent Comfort Level with Math Instruction	Cost	Vendor	Common Core Aligned
	K-12	Workbooks/DVDs	Yes	High	Med-High	\$-\$\$	Yes	No

Best for families to start at the beginning of elementary school for students in K-7 or wait until Pre-Algebra. Program suggests for all students to start at alpha level. Take advantage of the online placement test. Includes instructional videos for parents and students to watch together or for parents to watch in order to provide instruction to the student. Good for visual learners, uses manipulatives (check for manipulative kits in the lending library. K-7 does not cover all standards for each grade level so program should be used in its entirety.
www.mathusee.com

Aleks	Grades	Format	Parent Provided Direct Instruction	Prep-Time	Parent Comfort Level with Math Instruction	Cost	Vendor	Common Core Aligned
	3-12	Online	Parent Support	None	Low	\$	Yes	Yes

Provides a diagnostic test to determine grade level. Program constantly adapts to student's knowledge based on the results of their work and creates an individual path for each student to learn and then master topics. This appeals to some students and families b/c the program does not assign busy work if student has already shown mastery. Students can choose concepts in the order they want throughout the year. Video instruction. Free trial offered. Both parent and teacher have access to student progress. www.aleks.com

K-8th Curriculum

Primary Mathematics/ Math in Focus	Grades	Format	Parent Provided Direct Instruction	Prep-Time	Parent Comfort Level with Math Instruction	Cost	Vendor	Common Core Aligned
	K-8	Text & Workbook	Yes	Low	Low-Med	\$\$ \$\$\$\$	No	Common Core and non-Common Core editions

Singapore math focuses on mathematical concepts, teaching them in depth for mastery and understanding, Math In Focus is Common Core aligned where Primary Mathematics has Common Core and non-Common Core aligned editions. Check in Sutter Peak's lending library or curriculum can be purchased through vendors such as A Brighter Child, Rainbow Resource, etc.

<https://www.singaporemath.com/programs/primary-mathematics/> <https://thecurriculumstore.com/shop-by-curriculum/math-in-focus/>

Right Start Math	Grades	Format	Parent Provided Direct Instruction	Prep-Time	Parent Comfort Level with Math Instruction	Cost	Vendor	Common Core Aligned
	K-6	Workbooks	Yes	High	Med-High	\$-\$\$	Yes	No

Best for families to start at the beginning of elementary school and continue through 6th grade. Addresses varying learning styles, especially hands-on. Utilizes manipulatives and games. www.rightstartmath.com

ST Math	Grades	Format	Parent Provided Direct Instruction	Prep-Time	Parent Comfort Level with Math Instruction	Cost	Vendor	Common Core Aligned
	K-8	Online	Parent Support	Low	Low	\$\$	No	Yes

Online instruction with parent involvement. Interactive using simulations and games, encouraged discovery of concepts, monthly subscription is reimburseable <https://www.stmath.com/homeschool-math>

Math Mammoth (Light Blue Series)	Grades	Format	Parent Provided Direct Instruction	Prep-Time	Parent Comfort Level with Math Instruction	Cost	Vendor	Common Core Aligned
	1-7	Print or Digital (downloadable)	Yes	Low	Low	\$-\$\$	No	Yes

Focuses on mastery and understanding. Explains concepts thoroughly, using visual models and exercises to present new concepts. Employs several different ways to explain new concepts that reach different learning styles. Open & Go; full explanations are presented in the books. Free video lessons for grades 1-8. Recommended using placement test for accurate placement. Course Workbooks and supplemental skills review workbooks available to purchase through vendors like Rainbow Resource. <https://www.mathmammoth.com/>

Beast Academy	Grades	Format	Parent Provided Direct Instruction	Prep-Time	Parent Comfort Level with Math Instruction	Cost	Vendor	Common Core Aligned
	2-7	Text & Workbook	Yes	Low	Med-High	\$\$\$	Yes	No
		Online	Parent Support	None	Low	\$\$\$		

For ages 8-13, published by Art of Problem Solving, provides an interesting, problem solving base to lead into Art of Problem Solving Curriculum, written for advanced and gift students, can be helpful for students who are bored of math, graphic novel style text/workbooks, placement test available on website, books can be purchased through Art of Problem Solving vendor, but online subscription is reimbursable only, not designed to align to Common Core standards but covers all of the common core practices. www.beastacademy.com



Shiller Math	Grades	Format	Parent Provided Direct Instruction	Prep-Time	Parent Comfort Level with Math Instruction	Cost	Vendor	Common Core Aligned
	K-8	Workbooks	Yes	Low	Low	\$\$	No	No

Montessori inspired curriculum, hands on, utilizes manipulatives. Each kit covers 4+ grade levels. <https://www.shillerlearning.com/>

Math By Hand	Grades	Format	Parent Provided Direct Instruction	Prep-Time	Parent Comfort Level with Math Instruction	Cost	Vendor	Common Core Aligned
	1-4	PDF Binder	Yes	Med	Low-Med	\$-\$\$\$	No	No

Waldorf inspired with manipulatives and hands-on activities for younger elementary students. www.mathbyhand.com

6th-12th Curriculum

Edmentum Courseware	Grades	Format	Parent Provided Direct Instruction	Prep-Time	Parent Comfort Level with Math Instruction	Cost	Vendor	Common Core Aligned
	6-12	Online	Parent Support	None	Low	\$\$		Yes

Online instruction. Can be used independently by student or with parent, tutor, or teacher support. Provides resources such as guided notes, glossaries, and text to speech. Offers Integrated Math courses or traditional Math courses (i.e., Algebra 1, Geometry, etc.). All Independent Study students will take their courses through Courseware. <https://www.edmentum.com/course-catalog?state=421>

Art of Problem Solving	Grades	Format	Parent Provided Direct Instruction	Prep-Time	Parent Comfort Level with Math Instruction	Cost	Vendor	Common Core Aligned
	8-12	Textbook	Yes	Low	Med-High	\$\$-\$	Yes	No
		Live or Self-Paced Online Classes	Parent Support	Low	Low-Med	\$\$\$\$		

Pre-Algebra +, great for gifted or curious math students. Recommend for students who struggle with math due to boredom rather than ability. Great resource for students interested in recreational math or competitive math/problem solving competitions. Textbook, live weekly classes or self-paced online classes available. Not specifically designed to align to Common Core standards but covers all of the common core practices. www.artofproblemsolving.com

AGS Publishing	Grades	Format	Parent Provided Direct Instruction	Prep-Time	Parent Comfort Level with Math Instruction	Cost	Vendor	Common Core Aligned
	8-12	Text & Workbooks	Yes	Low	Low	\$	No	No

Helpful for struggling students. High interest, low reading level textbooks. Shorter books to not overwhelm students. Supports parents with low math comfort level because parents can learn along with students. Available through vendors such as A Brighter Child, Rainbow Resource, etc. <https://www.rainbowresource.com/category/7751/AGS-High-School-Math-Courses.html>

Flipped Math	Grades	Format	Parent Provided Direct Instruction	Prep-Time	Parent Comfort Level with Math Instruction	Cost	Vendor	Common Core Aligned
	9-12	Online	Yes	Low	Low	Free	No	Yes*

Online instructional videos, downloadable packets for guided notetaking and practice problems, practice solutions online for parents, corrective assignments for remediation of concepts. Only need to purchase assessments under teacher resources. Available in Common Core aligned for Algebra 1 and 2. Note: all answers keys readily downloadable by anyone since program is free. www.flippedmath.com

****You can read more in-depth reviews of most of the curriculums on this guide at www.cathyduffyreviews.com**