





## Math Curriculum Guide

### K-8<sup>th</sup> Curriculum

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

Go Math	Grades	Format	Parent Provided Direct Instruction	Prep-Time	Parent Comfort Level with Math Instruction	Cost	Vendor	Common Core Aligned
	K-6	Workbook	Yes	Low-Med	Low	\$\$		Yes
		Interactive Textbook online	Parent Support	Low	Low	Free		
	7-8	Workbook	Yes	Med-High	High	\$\$		
		Interactive Textbook online	Parent Support	Low	Med-High	Free		
		PCI Virtual Class	No	None	Low	\$\$\$\$		

Many formats to choose from, parents can utilize support for **2-6 grades** by going to [www.voltspci.weebly.com](http://www.voltspci.weebly.com) and watch a 25–30-minute video each week on teaching concepts and instruction tips, tests can be assigned by teacher online or downloaded and printed by parent.

**Grades 7-8** Parent should have a high comfort level with math instruction if using the textbook or willing to learn along with the student, tests can be assigned by teacher online or downloaded and printed by parent. Additional instructional videos for grades 2-8 at [mrmathblog.com](http://mrmathblog.com)

K-6 <https://www-k6.thinkcentral.com> username: HomeschoolParent password: K5Homeschool!

7-8 <https://my.hrw.com> username: HMHomeschoolParent password: Homeschool2015!

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
PCI Virtual Classes		No	None	Low	\$\$\$\$			

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://www.hmhco.com/programs/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 6<sup>th</sup> grade, addresses varying learning styles, especially hands on, utilizes manipulatives and games. [www.rightstartmath.com](http://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 reimbursable <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	Workbooks	Yes	Low	Low	\$\$-\$	No	Yes

Focuses on mastery and understanding, explains concepts thoroughly, generally using visual illustrations to present new concepts, employ several different ways to explain new concepts to reach different learning styles, available in workbooks, downloadable pdfs or CD-ROMs to download worksheets, available to purchase through vendors like Rainbow Resource. <https://www.mathmammoth.com/>

<b>Beast Academy</b>	<b>Grades</b>	<b>Format</b>	<b>Parent Provided Direct Instruction</b>	<b>Prep-Time</b>	<b>Parent Comfort Level with Math Instruction</b>	<b>Cost</b>	<b>Vendor</b>	<b>Common Core Aligned</b>
	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](http://www.beastacademy.com)

<b>Shiller Math</b>	<b>Grades</b>	<b>Format</b>	<b>Parent Provided Direct Instruction</b>	<b>Prep-Time</b>	<b>Parent Comfort Level with Math Instruction</b>	<b>Cost</b>	<b>Vendor</b>	<b>Common Core Aligned</b>
	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/>

<b>Math By Hand</b>	<b>Grades</b>	<b>Format</b>	<b>Parent Provided Direct Instruction</b>	<b>Prep-Time</b>	<b>Parent Comfort Level with Math Instruction</b>	<b>Cost</b>	<b>Vendor</b>	<b>Common Core Aligned</b>
	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](http://www.mathbyhand.com)

## K-12<sup>th</sup> Curriculum

<b>Khan Academy</b>	<b>Grades</b>	<b>Format</b>	<b>Parent Provided Direct Instruction</b>	<b>Prep-Time</b>	<b>Parent Comfort Level with Math Instruction</b>	<b>Cost</b>	<b>Vendor</b>	<b>Common Core Aligned</b>
	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](http://www.khanacademy.org)

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

Provides a diagnostic test to determine grade level, does not assign busy work, students can choose concepts in the order they want to work on throughout the year, video instruction, free trial offered, parent and teacher have access to student progress. [www.aleks.com](http://www.aleks.com)

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

Spirals concepts for mastery, focuses on rote skills, very little creative problem solving and exploration, about ½ grade level behind in grade level standards so 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](http://www.cathyduffyreviews.com)

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](http://www.teachingtextbooks.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, 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, in K-7 does not cover all standards for each grade level so program should be used in its entirety. [www.mathusee.com](http://www.mathusee.com)



Time4Learning	Grades	Format	Parent Provided Direct Instruction	Prep-Time	Parent Comfort Level with Math Instruction	Cost	Vendor	Common Core Aligned
	K-12	Online	Yes	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](http://www.time4learning.com)



## 8<sup>th</sup>-12<sup>th</sup> Curriculum

Integrated Math 1, 2, 3	Grades	Format	Parent Provided Direct Instruction	Prep-Time	Parent Comfort Level with Math Instruction	Cost	Vendor	Common Core Aligned
	9-12	Textbook	Yes	Low	High	\$\$		Yes
		Interactive Textbook online	Parent Support	None	Med-High	\$\$		
		PCI Virtual Classes	No	None	Low	\$\$\$\$		

There are many formats to choose from including the interactive textbook online which provides short instructional videos and practice problems with immediate feedback. Parent should have a high comfort level with math instruction if using the textbook or willing to learn along with the student. PCI Virtual Classes are taught by a credentialed math teacher. Additional instructional videos at [mrmathblog.com](http://mrmathblog.com)  
<https://my.hrw.com> username: HMHomeschoolParent password: Homeschool2015!

Cyber High	Grades	Format	Parent Provided Direct Instruction	Prep-Time	Parent Comfort Level with Math Instruction	Cost	Vendor	Common Core Aligned
	9-12	Online	Parent Support	None	Low	\$\$		Yes

Online instruction, can be used independently by student or with parent, tutor, or teacher support, offers Integrated Math courses or traditional Math courses (i.e., Algebra 1, Geometry, etc.) [www.cyberhigh.org](http://www.cyberhigh.org)

Plato	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, text to speech, offers Integrated Math courses or traditional Math courses (i.e., Algebra 1, Geometry, etc.),  
<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, textbook, live weekly classes or self-paced online classes available, not designed to align to Common Core standards but covers all of the common core practices.

[www.artofproblemsolving.com](http://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, low parent comfort level because parents can learn along with students, can purchase 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. [www.flippedmath.com](http://www.flippedmath.com)

**\*\*You can read more in-depth reviews of most of the curriculums on this guide at [www.cathyduffyreviews.com](http://www.cathyduffyreviews.com)**