

Summer Math Resources for Support & Enrichment



FREE sites to learn math skills, practice math skills or learn advanced skills:

[IXL](#)

A student-friendly math practice environment with unlimited questions on over hundred math topics per grade. IXL tracks student progress and gives children virtual medals and awards. Covers grades PreK-precalculus. SVUSD has purchased student licenses for grades 7 - 12. IXL has fun ways to keep kids learning this summer by using their [Summer Resources](#). This is only available to current 7th - 11th grade students.

- There are two Summer Skill Plans ~ **Summer Boost** and **Summer Adventure!**
[Check them out HERE](#)
 - The Math and ELA Summer Boost plans are available for rising Kindergarten through high school students. These plans provide 20 days' worth of skill recommendations, focusing on the most important skills from the previous year. These plans are perfect for getting students ready for the next school year!
 - Summer Adventure is PDF-only, and is available for rising K-8 students. There is one PDF per grade, featuring content from Math, ELA, Science, and Social studies arranged around daily themes. The Summer Adventure PDFs provide students with 20 days of fun IXL skills, IXL challenges, and offline activities to keep their skills fresh and to encourage them to explore new topics.
- For both plans, students should select their grade for the upcoming fall, e.g., rising 8th graders should use the 8th grade plan.

[Prodigy](#)

A fun way to practice math. Choose a grade level to start playing (grades 1 - 8) Free.

www.prodigygame.com/play

[IPracticeMath.com](http://www.ipracticemath.com)

Free interactive online math practice for elementary math topics from addition to fractions & decimals, plus algebra. More topics added every month.

www.ipracticemath.com/math-practice

[Khan Academy](http://www.khanacademy.org)

Possibly the web's biggest and free site for math videos. What started out as Sal making a few algebra videos for his cousins has grown to over 2,100 videos and 100 self-paced exercises and assessments covering everything from arithmetic to physics, finance, and history.

www.khanacademy.org

[cK-12](http://www.ck12.org)

CK-12 is a large, free site for learning and practicing math and science. It contains text-based lessons, FlexBooks® (digital textbooks in PDF, ePub and mobi formats), videos, and quizzes for multitudes of math and science topics from K to grade 12.

www.ck12.org

[Math Ops](http://www.mathops.com)

Free and subscription online pre-algebra and algebra course that includes step-by-step narrated tutorials, videos, and online quizzes.

www.mathops.com/free/index.php

Free Math Video Lessons:

[LearnZillion](https://learnzillion.com)

Free math videos for all topics in K-8. The videos are organized according to the Common Core Standards (CCS), but can be used even if you don't follow the CCS — just follow the lesson titles by topics.

<https://learnzillion.com/resources/73936-math-video-lesson-library>

[HippoCampus](http://www.hippocampus.org)

Free online interactive lessons for high school algebra, calculus, and AP calculus. Has math game links as well. Also for other subjects.

www.hippocampus.org

[Shmoop.com Prealgebra](http://www.shmoop.com/pre-algebra)

Free learning guides (tutorials) for all prealgebra topics with interactive practice problems, step-by-step examples, graphs, and real-world applications. This can be used for an online pre-algebra textbook.

www.shmoop.com/pre-algebra

[Virtual Nerd](http://Virtualnerd.com)

Video tutorials for prealgebra, algebra 1, algebra 2, and intro physics. This will also include practice problems and quizzes sometime during 2010-2011 school year. Includes both a free and paid (premium) versions.

Virtualnerd.com

MathTV.com

Over 6,000 free, online video lessons for basic math, algebra, trigonometry, and calculus. Videos also available in Spanish. Also includes online textbooks. I've written [a review](#) of MathTV lessons when they used to be offered on CDs.

www.mathtv.com

HSTutorials.net

Free animated and narrated math tutorials - pre-algebra, algebra 1, geometry.

www.hstutorials.net

Sites that have a cost:

Aleks

ALEKS is a web-based math practice program—like a virtual math tutor. It uses artificial intelligence to assess student knowledge and then decides what topics he should practice. \$19.95 a month, \$179.95 a year. Family discounts available. This is highly recommended and is used at RSM Intermediate school.

www.aleks.com

Mathletics

An online math practice system for grades K-12. In the "Full Curriculum" section students practice hundreds of math topics in 10-question increments. The program also includes "Live Mathletics" where students race with math problems against other students around the world in real-time, games, Rainforest Maths, printable resources, interactives, video tutorials, and a reporting system. Pricing: \$14.95 per month for one student, 2nd student \$5.

www.mathletics.com

MathScore

Online adaptive math practice environment with measurable student progress. From grade 1 to algebra. \$14.95 per month for one student, 2nd student \$5.

www.mathscore.com

CTC Math

A comprehensive online tutorial program for grades K-12. Includes video tutorials, interactive questions, diagnostic tests, reporting, and more. Price: \$29.97/month, \$127/6 months, \$197/12 months. Family plans available.

Ctcmath.com

VmathLive

For grades 2-8. Includes online math practice with scaffolded help and hints, reward badges, origami-based avatars, and math games. A 14-day free trial. Aligned to the Common Core standards (but only offers simple practice and not on all possible topics in the standards). Price: \$20 per student for full school year, \$15 for partial year, \$10 for summer school.

www.voyagersopris.com/curriculum/technology/online/vmathlive

BrightStorm Math

Over 2,000 free videos covering all high school math topics from algebra to calculus.
Registration required (\$14 per month).

www.brightstorm.com/math

DigitWhiz

DigitWhiz is an online, games-based program aligned to the Common Core that guides kids ages 8+ to master key foundational skills in five areas: multiplication · division · integer operations · like terms · solving equations

digitwhiz.com