

VIRTUAL TOOLS

Get the Math <http://www.thirteen.org/get-the-math/> *Get the Math* is about algebra in the real world. See how professionals use math in music, fashion, videogames, restaurants, basketball, and special effects. Then take on interactive challenges related to those careers. The challenges are presented in a video and there are handouts to give the students.

Illuminations <http://illuminations.nctm.org/> A website by NCTM that has activities, lessons, applets, and games for students to get engaged in learning mathematics.

Khan Academy <http://www.khanacademy.org/> All of the site's resources are available to anyone. It doesn't matter if you are a student, teacher, home-schooler, principal, or an adult returning to the classroom after 20 years. Khan Academy's materials and resources are available to you completely free of charge.

Wolfram Alpha <http://www.wolframalpha.com/> Students are able to input problems and get step by step explained solutions.

Teacher Tube <http://www.teachertube.com/> An on-line resource with videos, documents, videos, and audio to use in your classroom.

Discovery Education <http://www.discoveryeducation.com/> Discovery Education is committed to improving teaching and learning by transforming traditional classrooms into engaging digital learning environments. This website has lesson plans ready to be implemented in your classroom.

Math is Fun <http://www.mathsisfun.com/index.htm> An on-line resource to make math engaging. The website is organized by math concepts to easily find resources.

BrainPop http://www.brainpop.com/free_stuff/ Founded in 1999, BrainPOP® creates animated, curricular content that engages students, supports educators, and bolsters achievement.

Thinkfinity <http://www.thinkfinity.org/welcome> You can search for resources on this website by concept, grade, and subject.

National Library of Virtual Manipulatives <http://nlvm.usu.edu/en/nav/vlibrary.html> An NSF supported project that began in 1999 to develop a library of uniquely interactive, web-based virtual manipulatives or concept tutorials, mostly in the form of Java applets, for mathematics instruction.

Math-Prof <http://www.math-prof.com/> An on-line resource that is organized by math concepts.

Poll Everywhere <http://www.polleverywhere.com/> You can ask your audience a question with the Poll Everywhere app and the audience answers in real time using mobile phones, Twitter, or web browsers. Then you can see your response live on the web or in a PowerPoint presentation.

Space Math <http://spacemath.gsfc.nasa.gov/SpaceMath.html> A math resource presented by NASA. You can search for math problems by grade level.

IXL <http://www.ixl.com/> Allows students to practice math problems and receive scores for getting questions correct.

Google Docs <http://www.docs.google.com> This is an on-line tool that allows multiple users to create documents or presentations. It allows you to have real time collaboration over the internet.

Classzone www.classzone.com This website has PowerPoint presentations, animations, practice problems, reference materials, games and activities, and assessments for you and your students to use. It also has an on-line version of the textbook.

Neok12 <http://www.neok12.com/> Educational videos, lessons, and games to use in your math classroom.

Mangahigh-Games http://www.mangahigh.com/en_us/ This website has free math games for your students to practice concepts in a fun way.

Promethean Planet <http://www.prometheanplanet.com/en-us/> You can search the resources on this site to get ready made flipcharts to use with the ActivInspire software. You are also able to download containers and resource packs on this site.

Texas Instruments <http://education.ti.com/en/us/home> This website has activities, lessons, and apps that you can use with the graphing calculator.

GoAnimate <http://goanimate.com> This website has a suite of web applications that lets you make amazing animated videos easily.

KeepVid <http://keepvid.com> This website allows you to save streaming videos in a variety of formats. For example, if you find a video on YouTube that you would like to embed into your presentation you can enter the videos url into KeepVid and it will download the video to your computer.

Mathematics in Movies <http://www.math.harvard.edu/~knill/mathmovies/> This is a collection of movie clips in which Mathematics appears.

Tagxedo <http://www.tagxedo.com/> This website turns words into a visually stunning word cloud. Words are individually sized appropriately to highlight the frequencies of occurrence within the body of text.

Remind101 <https://www.remind101.com/> A safe way for teachers to text message students and stay in touch with parents. This is a free website in which you do not have to share your personal number with your students or parents.

QRstuff http://www.qrstuff.com/qr_stuff.html At QR Stuff you are given the opportunity to generate QR Codes in ways that most of the other places on the internet overlook.

Wikis/Moodles <http://nova.saisd.net/main/> You can create a teacher Moodle or wiki for your classroom through the Instructional Technology department of SAISD.

Blogs – Mr. Meyers <http://blog.mrmeyer.com/> You can get PowerPoint presentations, pdfs, and handouts at this teachers blog.

Twitter <https://twitter.com/> Twitter is a real-time information network that connects you to the latest stories, ideas, opinions and news about what you find interesting. Simply find the accounts you find most compelling and follow the conversations.

Prezi <http://prezi.com/> Prezi allows you to create presentations in a highly engaging and dynamic way.

Spicy Nodes <http://www.spicynodes.org/> SpicyNodes is a way to visualize online information that mimics that way that people look for things in the real world. Bits of information — such as text, links, photos, and other media — are placed into "nodes," which are then linked together in an appealing interface that invites exploration. SpicyNodes can be used for everything from mind maps and content portals to organizational charts and lesson plans.

PowerPoint Allows you and your students to create presentation.

Microsoft Excel Spreadsheet software that allows your students to input data, make calculations, and display their data with graphs.

Geometer's Sketchpad <https://www.keycurriculum.com/products/sketchpad> *The Geometer's Sketchpad*® is the world's leading software for teaching mathematics. *Sketchpad*® gives students at all levels—from third grade through college—a tangible, visual way to learn mathematics that increases their engagement, understanding, and achievement. Make math more meaningful and memorable using *Sketchpad*.