

## MATH TECHNOLOGY

In our classrooms, we know that each student progresses at a different rate in all areas, and it can be difficult to make sure that each child's needs are being met. Math tech can help students at all levels by making learning and practicing math fun and engaging, while being able to provide questions at each student's level. Tons of tech tools are available to help every student succeed in math. Here are some of our favorite sites that can be used from the elementary to high school level to progress monitor and differentiate instruction:

**Freckle Education** – Students take a pre-assessment, then Freckle automatically differentiates lessons and practice problems for students in grades K-9. BONUS: Freckle gives students suggestions of other students to ask for help!

**Greg Tang Math** – Games, worksheets, a word problem generator, and other resources for K-5 math concepts.

**Virtual Nerd** – Searchable video lessons for middle school, Algebra 1 and 2, Geometry, and ACT/SAT math topics

**Mathsbot** – Interactive manipulatives and tools, starters, worksheets, and differentiated practice problems.

**Math Aids** – Create a variety of worksheets and practice problems for free.

**Mashup Math** – Video lessons for 1<sup>st</sup> grade through geometry, free worksheets and puzzles for elementary.

**Kuta Software** – Download free worksheets for high school subjects ranging from pre-algebra through calculus.

**Xtra Math** – A free mathematics practice program for teachers, students, and their families.

**That Quiz** – Math tests and activities for students in grade K-12.

**Sheppard Software** – Mathematics games and practice problems for students in all grade levels.

**PBS Math** – Videos, animations, interactive games, and other media for practice and reinforcement in all grades

**Numeracy Ninjas** – Quick (10 minutes) whole-class math practice, themed around earning Ninja Belts – options from once a week to every day. Aimed at 6-7<sup>th</sup> graders.

**Mr. Nussbaum** – Math activities, games, and printable worksheets

**Math Help** – Tests, practice problems, and videos for 5<sup>th</sup> grade through college algebra

**Free Rice** – Basic math problems – for each problem solved correctly, rice is donated to help end hunger. Make sure to disable your ad blocker!

**Family Corner** – Encourages families to open up with their children and their children's teachers about math and ending the "I can't" stigma.

**Geogebra** – Free online tools and lessons for graphing and geometry (also an iPad app)

**Desmos** – Online graphing calculator with free lessons

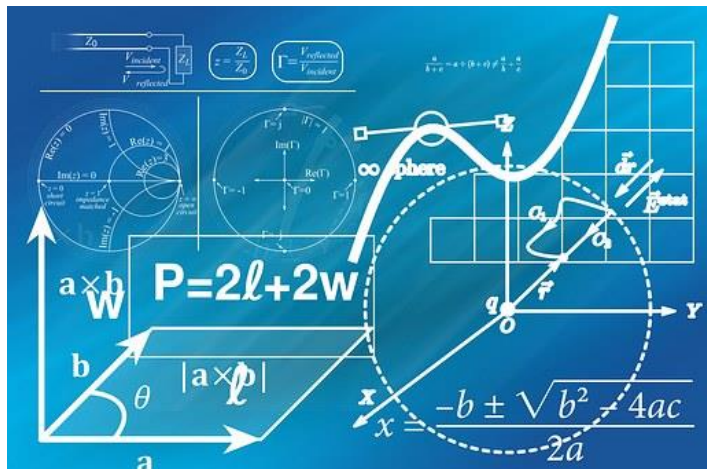
**Prodigy Software** – Math practice role-playing game for students in grades 1-8

**Illustrations** – Lesson plans and activities for students in Grades K-12

**Illustrative Mathematics** – Math resources for teachers and students

**Open Middle** – Math questions with a goal of pushing students to not just find the answer, but to think about how to get the answer.

**Khan Academy** – Math videos and practice problems for kindergarten through (and beyond) college, as well as coding activities in several languages



Find more E-tips at <https://goo.gl/qPn7bN>.