

## KEEP LEARNING!

### Interactive - Guided Learning Programs with Videos and Practice

#### Imagine Math



[Imagine Math](#) emphasizes the ability to make connections between and communicate in the language of mathematics. This adaptive program maintains focus on grade-level content while identifying and providing support as needed. Additionally, you have access to a certified teacher on-demand, through your choice of text or video support. Access to this program ends August 3rd.

#### Khan Academy



[Khan Academy](#) offers free online courses, practice problems, explanatory videos, and guided pathways. Khan Academy provides a personalized experience so you can learn at your own pace, with just-in-time hints and videos to help you stay on track.

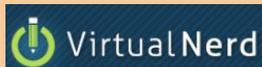
### Informational - Activities & Videos to Explain and Explore Mathematics

#### GeoGebra



[GeoGebra](#) is a suite of dynamic graphing software programs that combines algebra, geometry, tables, graphs, statistics, and calculus in one easy-to-use package. Each activity is accompanied by a demonstration video to teach you how to interact with the activity. Click these links for [Middle School](#) and [High School](#) specific activities.

#### Virtual Nerd



[Virtual Nerd](#) provides short supplemental instructional videos on individual topics (or aspects of a topic). Each video addresses a specific aspect of a concept (often in a minute or less) to answer your question quickly. Videos are detailed enough to provide initial explanation or additional information to help make sense of that concept you have been struggling with.

### Inspirational - Changing the Way You Think About Math

#### How to Learn Math



&

Stanford | ONLINE

This free course (available in both [English](#) and [Spanish](#)) offered through Stanford University features professor [Jo Boaler](#) ("Week of Inspiration Math"). Designed to challenge our idea about what it means to be "good" at math, and how to become powerful math learners, the six 10-20 minute sessions focus on "Knocking Down the Myths About Math," "Math and Mindset," "Mistakes and Speed," "Number Flexibility, Mathematical Reasoning, and Connections," "Number Patterns and Representations," and "Math in Life, Nature and Work."

#### MacTutor History of Mathematics



[The MacTutor History of Mathematics Archive](#) is the site to answer all of your "Who-What-Where-When-Why?" questions about math! Highlights include: explore how cultures thought of mathematics and their contribution to the field in [History Topics](#), the often historically overlooked (but equally important!) list of [Female Mathematicians](#), and don't forget to check out the [Mathematicians of the Day](#).



## KEEP LEARNING!

The tables below will provide you with activities specific to each grade. The activities for each grade are separated into three categories:

- **Big Ideas:** These activities focus on the essential learning from this grade, including important prerequisites for the upcoming year.
- **Review Content:** These activities highlight other important ideas from this grade; while not as crucial as the “Big Ideas,” understanding this content as well will give you full preparation for the upcoming year.
- **Additional Content:** These activities contain additional topics from this grade; a complete understanding of these standards is not necessary for success in the upcoming year.

The best way to use these activities is to start with the grade you just completed. From there click on the “Big Ideas” link (all the links on the page will open up a Google Doc with all of the activities listed - you can either save this to your Google Drive or continue to use the links to access the activities). Mastering the standards in “Big Ideas” will put you on solid footing for the upcoming grade. From there, continue on to the activities under “Review Content,” and finally “Additional Content” for a complete understanding of the standards in that grade.

### Middle School Courses

#### 6th Grade

[Big Ideas](#)

[Review Content](#)

[Additional Content](#)

#### 7th Grade

[Big Ideas](#)

[Review Content](#)

[Additional Content](#)

#### 8th Grade

[Big Ideas](#)

[Review Content](#)

[Additional Content](#)

### High School Courses

#### Algebra 1

[Big Ideas](#)

[Review Content](#)

[Additional Content](#)

#### Geometry

[Big Ideas](#)

[Review Content](#)

[Additional Content](#)

#### Algebra 2

[Big Ideas](#)

[Review Content](#)

[Additional Content](#)