



# MATH TECHNOLOGY: ARE YOU UP TO DATE?

Ali Rather, Lindsey Spathelf, and Kelsey Hudson



**Collaborate!**

**Math Technology: Are you up to date?**



# MICROSOFT PEN TOOL

# Microsoft Pen Tool

- Compatible with Microsoft Office (Word, PowerPoint, Excel, etc.)
- Converts any document into a document that teachers and students can write on using technology.

## How can I get this?

- Select Customize Quick Access Tool Bar (typically located at the top of your screen)
- Click More Commands
- Under the Customize Quick Access Tool Bar Tab, change Popular Commands to All Commands
- Scroll down to find the Pen application—these are in alphabetical order
- Select the Pen icon and click Add>> (this will allow for easy access in the future—you should only have to do this once)



# NEARPOD



- Create interactive lessons in minutes
- Save prep time by easily importing existing lessons (pdfs, jpegs, ppts) and adding interactive features such as Virtual Field Trips, 3D Objects, Quizzes, Polls, Open Ended Questions + more!
- Easily download & customize ready-to-run lessons
- Choose from thousands of free or paid lessons from expert educators and our educational partners. Customize any lesson to fit your students' needs.



- [www.nearpod.com](http://www.nearpod.com)

- Synchronize and control lessons across all student devices
- Teachers share a live session, students enter a code, and the lesson is synced to all devices
- Enables 100% student participation

# Highlights of Nearpod

- Find or create lessons
- Interact with your students
- Get student insight
- Lessons for all subjects
- Over 6,500 ready- to- run, customizable lessons build in partnership with publishers like PhET and ReadWorks.



nearpod  VR

NASA  
eClips

**BBC** Worldwide

**iCIVICS**

PhET  
ReadWorks®

**TIMELINE**





<https://www.youtube.com/embed/iqk1bkIOK6A>

# Transforming Teaching. Together.

Ready-to-run K-12 lessons delivered through an award-winning interactive learning platform



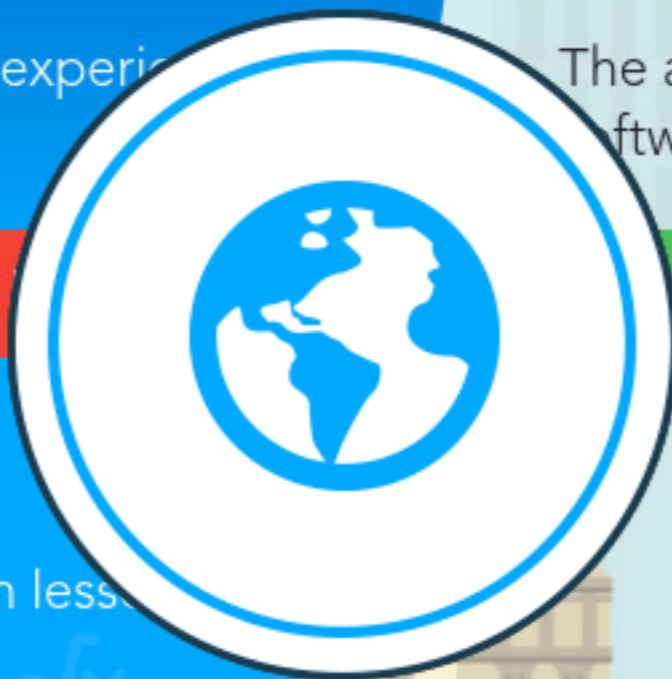
## For Teachers

Interactive learning experiences students will love

Start Exploring

or

Create your own lessons



## For Schools & Districts

The award winning all-in-one instructional software used in 3 out of 5 U.S. school districts

Learn More



<http://www.nearpod.com>





# QUIZIZZ

# QUIZIZZ

- Quizizz is a review tool
  - [www.quizizz.com](http://www.quizizz.com)
- Quizizz is a free tool. It works on any device: web browser, iOS, Android and Chrome apps. You can access hundreds of ready-made learning quizzes or create your own. Join as a teacher, pick a quiz, and use the code for a virtual room to give to your students.

# Motivate students and reclaim your time.

Free self-paced quizzes to review  
class and at home.

Get Started →

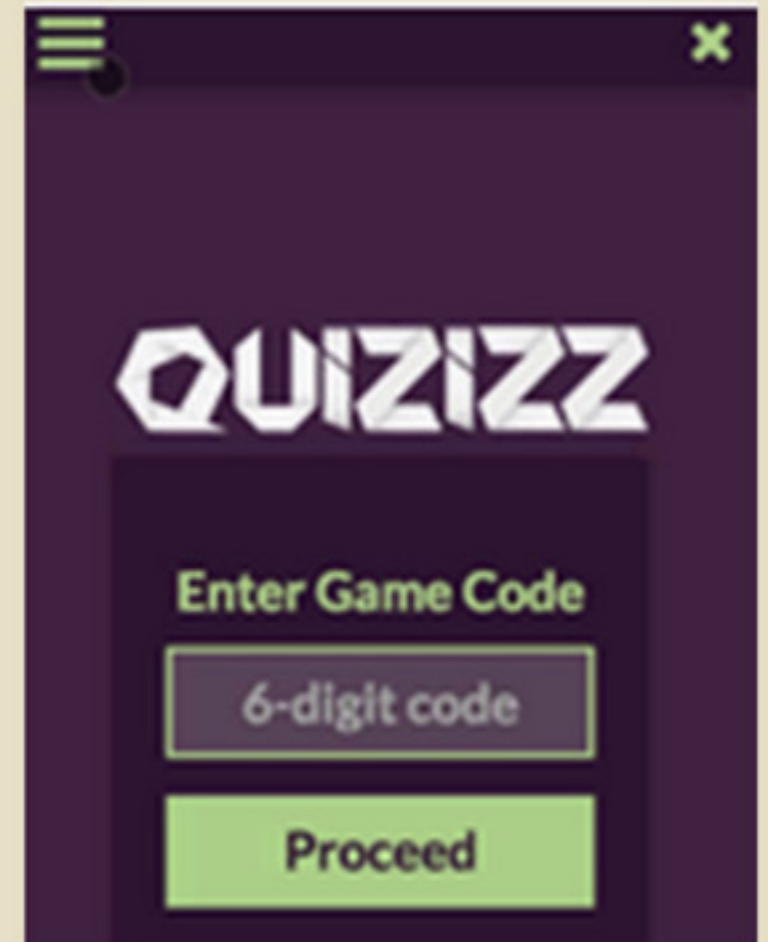


<http://www.quizizz.com>

Help

# Highlights of Quizizz

- You can search and find an already made quiz. You can duplicate and add it to “My Quizizzes.”
- You can make edits to questions or add/delete questions as needed.
- Live Game → post a code and everyone plays at once
- Homework Game → give code or post as a link and set a due date for when it needs to be completed by
- Students can answer at their own pace unlike Kahoot



# Quizizz Features

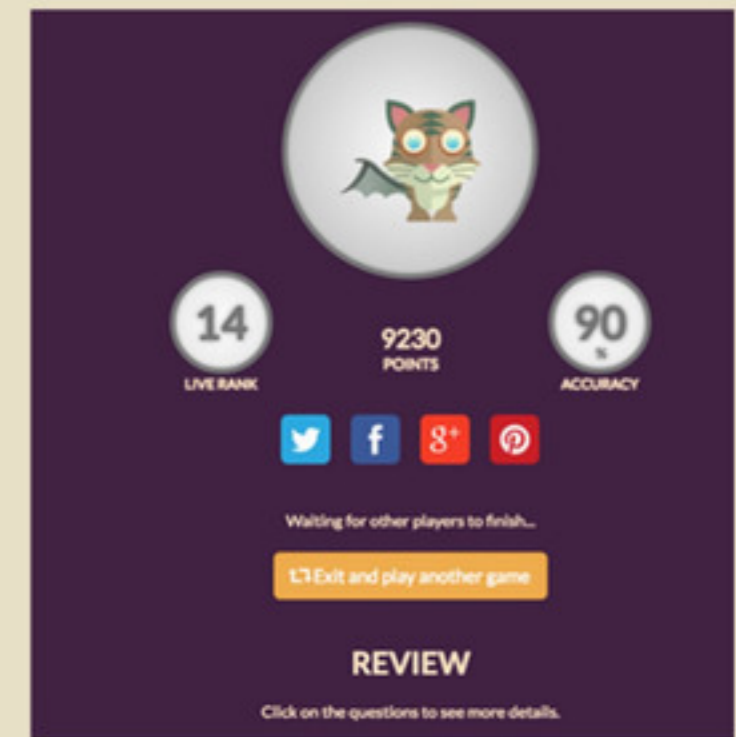
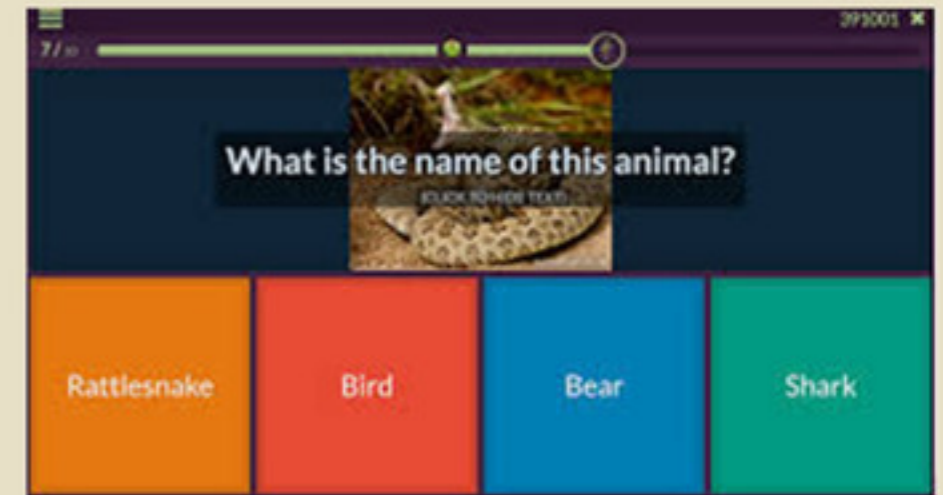
- Question Set-Up
  - Multiple Choice with 4 answer options



A screenshot of the Quizizz results page for a quiz titled "Name that Star Wars Character". The page shows a table of results for four players: keepak, VIRAL, yo, and yoda. The table has columns for Name, Score, and 10 individual questions. Correct answers are marked with a green checkmark, and incorrect answers are marked with a red X.

Name	Score	1	2	3	4	5	6	7	8	9	10
keepak	10340	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗
VIRAL	9360	✓	✓	✓	✓	✓	✓	✗	✓	✓	✗
yo	9230	✓	✓	✓	✗	✓	✓	✗	✓	✓	✓
yoda	8770	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

- Easy display of results
  - Can export results
  - Students can see the correct answers when they finish the quizizz
  - Able to easily review most missed questions as a class



Have an account?  
Log in now

Create new quiz

Find a Quiz

My quizzes

Reports

Collections

Memes

Refer a friend

**Transformations**

Played 0 times

0 people like this

8th - 9th grade

Mathematics

2 years ago by *lspathelf*

... collection

27 Questions

Question 1

Q. A turn is also called a

— answer choices —

Translation

Rotation

Reflection

Transformation

Host a game

Live Game

Homework Game

Play solo

Solo Game

Share

Duplicate

Print

[Report Abuse](#)

<https://quizizz.com/admin/quiz/58912bf26c978ffd4f2805ab/transformations>

Help

Q. Translations, reflections and rotations are all known as

— answer choices —

Geometry

Transformations





# TI EDUCATION

# TI Education

- <https://education.ti.com/en/resources/math>
- Texas Instruments Education provides resources for middle grades through high school mathematics. You are able to access resources designed to develop students' higher order thinking abilities and conceptual understanding.



Education Technology

# Making mathema**TI**icians

Teaching and learning to develop conceptual understanding



Resources for middle grades through high school mathematics

Develop students' higher order thinking abilities and conceptual understanding with classroom activities, technology and educator professional development that helps teachers put it all together in the classroom.

<https://education.ti.com/en/resources/math>

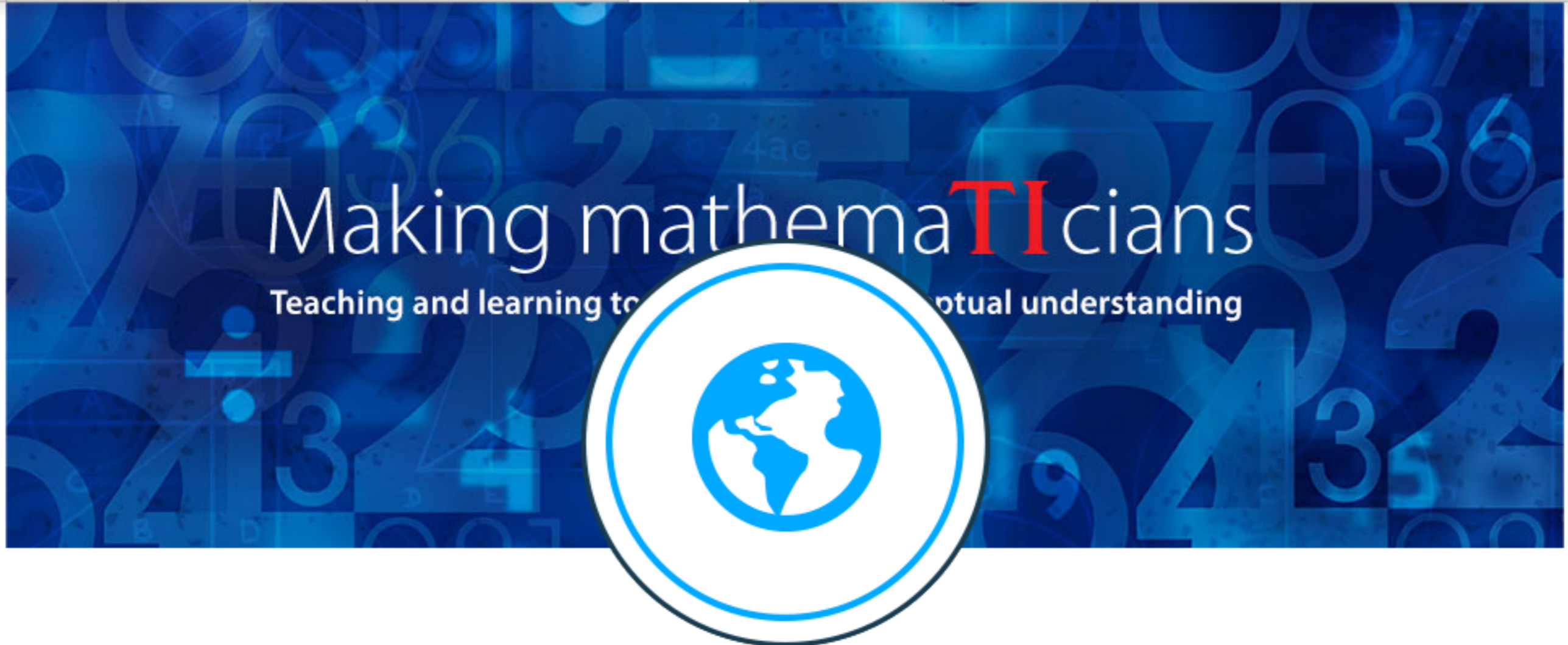
## Lessons

Promote deeper thinking and develop problem-solving skills with standards-aligned activities that encourage exploration of math concepts and connections.

# Highlights of TI Education

- Classroom Activities
- Building Concepts in Mathematics
- NCTM Principles to Actions
- TI Codes
- TEKS-aligned activities
- CCSS-aligned activities
- TI in Focus

<https://education.ti.com/en/resources/math>



Resources for middle grades through high school mathematics

Develop students' higher order thinking abilities and conceptual understanding with classroom activities, technology and educator professional development that helps teachers put it all together in the classroom.

<https://education.ti.com/en/resources/math>

Lessons

Promote deeper thinking and develop problem-solving skills with standards-aligned activities that encourage exploration of math concepts and connections.

# TI Education-Professional Development

- On-site workshops
- On-demand Webinars

The screenshot shows the Texas Instruments Education Technology website. At the top left is the Texas Instruments logo and the text 'TEXAS INSTRUMENTS'. To its right is 'Education Technology'. On the far right of the top navigation bar is a link for 'Sign Up for TI Emails' and a search bar with the text 'Search' and a red arrow icon. Below the navigation bar is a horizontal menu with the following items: 'Products', 'Downloads', 'Activities', 'Professional Development', 'Resources' (highlighted in red), 'Customer Support', 'Where to Buy', and 'About Us'. On the far right of this menu is 'Site US and Canada'. The main content area features a blue background with mathematical symbols and numbers. The central text reads 'Making mathematiTIcians' in white, with 'TI' in red. Below this is the subtitle 'Teaching and learning tools that drive conceptual understanding' in white.

# TI in Your Classroom

- Free Software Trials
- Test Prep Tools
- TI Technology Rewards

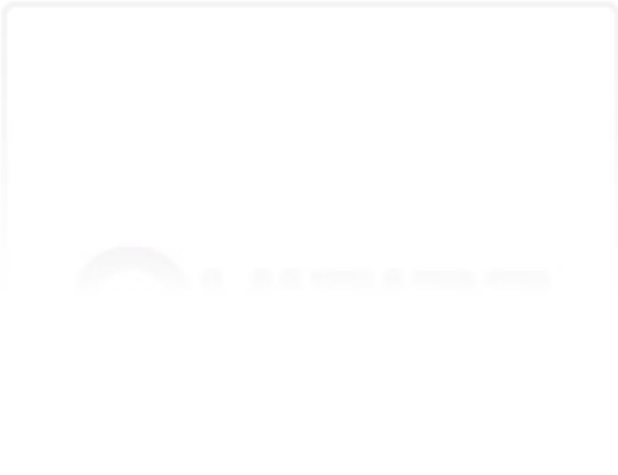


**Standardized Tests: Best Practices for the TI-84 Plus CE**

-Free  
-Geared for middle & high school mathematics  
-Promotes higher order thinking  
-Builds conceptual understanding  
-On-site workshops

-Free  
-Easy to use  
-Allows students and teachers to write, highlight, and insert images on documents  
-Compatible with Microsoft Word, Google Docs, and OneDrive

-Free to sign up and create lessons  
-6,500+ ready to teach lessons waiting to be added to your "library"  
-Interactive teaching tool



# Matching Pairs





# PRODIGY



- Review Tool

- [www.prodigy.com](http://www.prodigy.com)

- Prodigy is a curriculum-aligned math platform, used by 800,000 teachers and 30 million students, that allows admins to quantify student achievement with ease
- Prodigy is a free, Pokemon-style math game that has been proven to improve student scores and confidence! It is for grades 1-6, and features content from each of the five major strands

# Prodigy Features

- To create deep engagement so students can double their math practice time at home
- To equip teachers with reports and assessment tools to inform their instruction.
- To provide curriculum aligned content for free, regardless of a student's demographic.



# Prodigy Math Game - Quick-Start Guide

## What is Prodigy?

Prodigy is a free, Pokemon-style math game that has been proven to improve student scores and confidence! It is aligned to the Ontario curriculum for grades 1-6, and features content from each of the five major strands.

Prodigy was designed with three primary goals in mind:

1. To create deep engagement so students *double* their math practice time at home.
2. To equip teachers with reports and assessment tools to *inform their instruction*.
3. To provide curriculum aligned content for *free*, regardless of a student's demographic.

A video of the game's key benefits can be found by visiting [ProdigyGame.com/teachers](https://www.prodigygame.com/teachers).

## How do I sign up?

It takes teachers less than 5 minutes to get started:

1. Visit ([www.ProdigyGame.com](https://www.ProdigyGame.com)) and click the "Register for Free" button
2. Click "Create an Account" and enter an email address to register for a free account
3. Watch the video (or read the instructions) to learn how to create a desired password
4. For each of your students, click "Add Student" and enter a unique email address and a unique password
5. Print your student list and click the "Play Now!" button to log in to your teacher account.

## How do I play?

In Prodigy, children create an avatar and they progress through a number of curriculum-aligned math problems. Visit [ProdigyGame.com/play](https://www.prodigygame.com/play)

Here's a tutorial that explains how to play: [resources/howtoplay](https://www.prodigygame.com/resources/howtoplay)

## How do I access reports?

Our teacher reports allow you to see how your students have been working on, how much time they've been spending, and how they're doing. In addition, you can assign specific skills for your class to work on using the "Assignments" feature. To access these features, please sign-in to your teacher account and click on the 'Reports' or 'Assignments' tab.

## What about Parents?

One of the biggest benefits of Prodigy is that children can access their Prodigy account from

## Who else is using it?

Prodigy is being used by over 30,000 students across dozens of school boards in North America. For more information, please contact our sales team at [sales@prodigygame.com](mailto:sales@prodigygame.com).

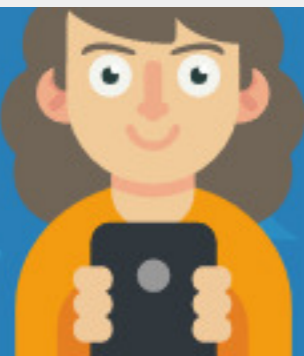
Need Help? Feel free to contact us at any time: P: 1-888-644-5541 | E: [support@prodigygame.com](mailto:support@prodigygame.com)

# The most engaging math platform in the world.

Join over 20 million students and parents using our free, curriculum-aligned math game for Grades 1 - 8.

Get your free account [Watch video](#)

<https://www.prodigygame.com/>





# VIDYARD



- <https://www.vidyard.com/govideo/>

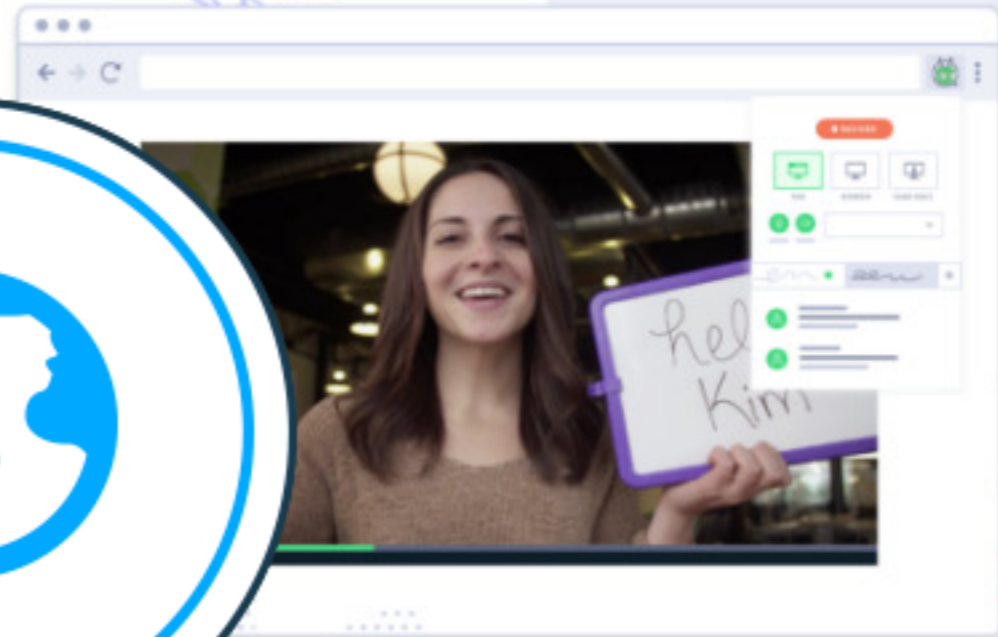
- This is a Google Extension that can only be used in your Google Chrome browser.
- Vidyard GoVideo is a free Google Chrome add on that acts as a video and webcam recorder. It allows you to capture your screen, record your front-facing camera, voice record and share with a simple link.
- Great for recording read aloud tests and video lessons when you are out with a substitute.

# Say it with Video

Vidyard GoVideo makes it easy to connect with your customers and team members through video.



Add to Chrome, it's free



4.5 stars with over 800 reviews

<https://www.vidyard.com/govideo/>



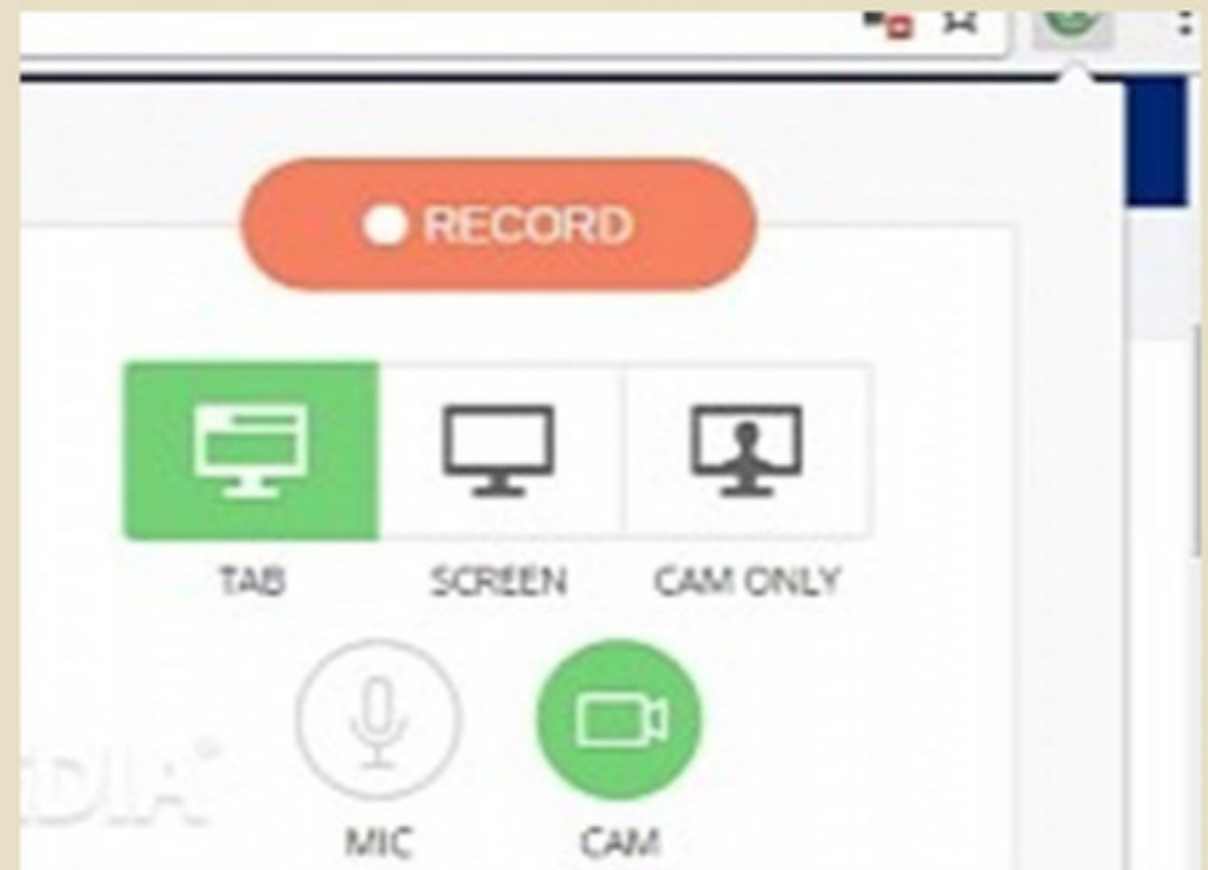
Are you interested in learning more about Vidyard GoVideo? I can get a live rep to help answer quest...





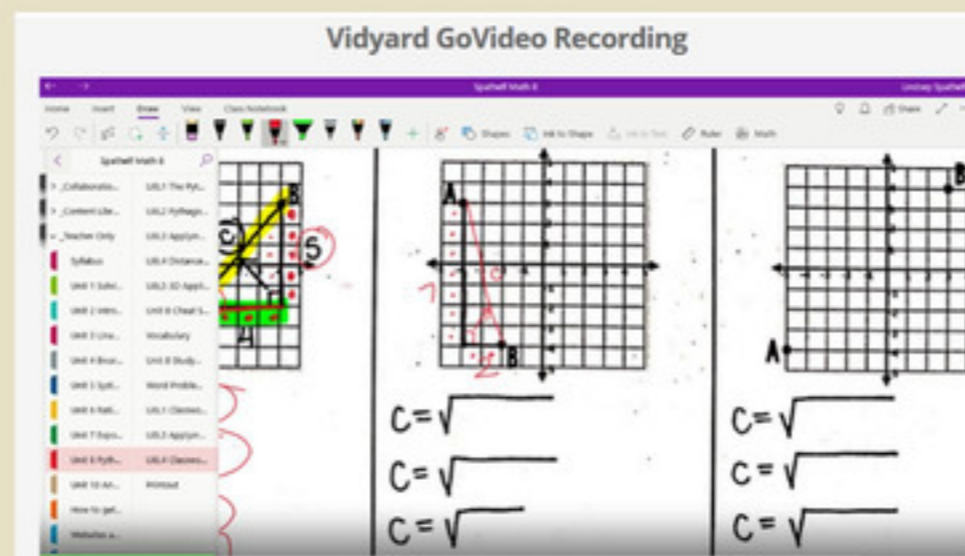
# Vidyard Features

- Videos can be shared with a simple link through email or by posting on google classroom or any other communication method used with your students
- Unlimited FREE videos
- Recording limit is 1 hour per video

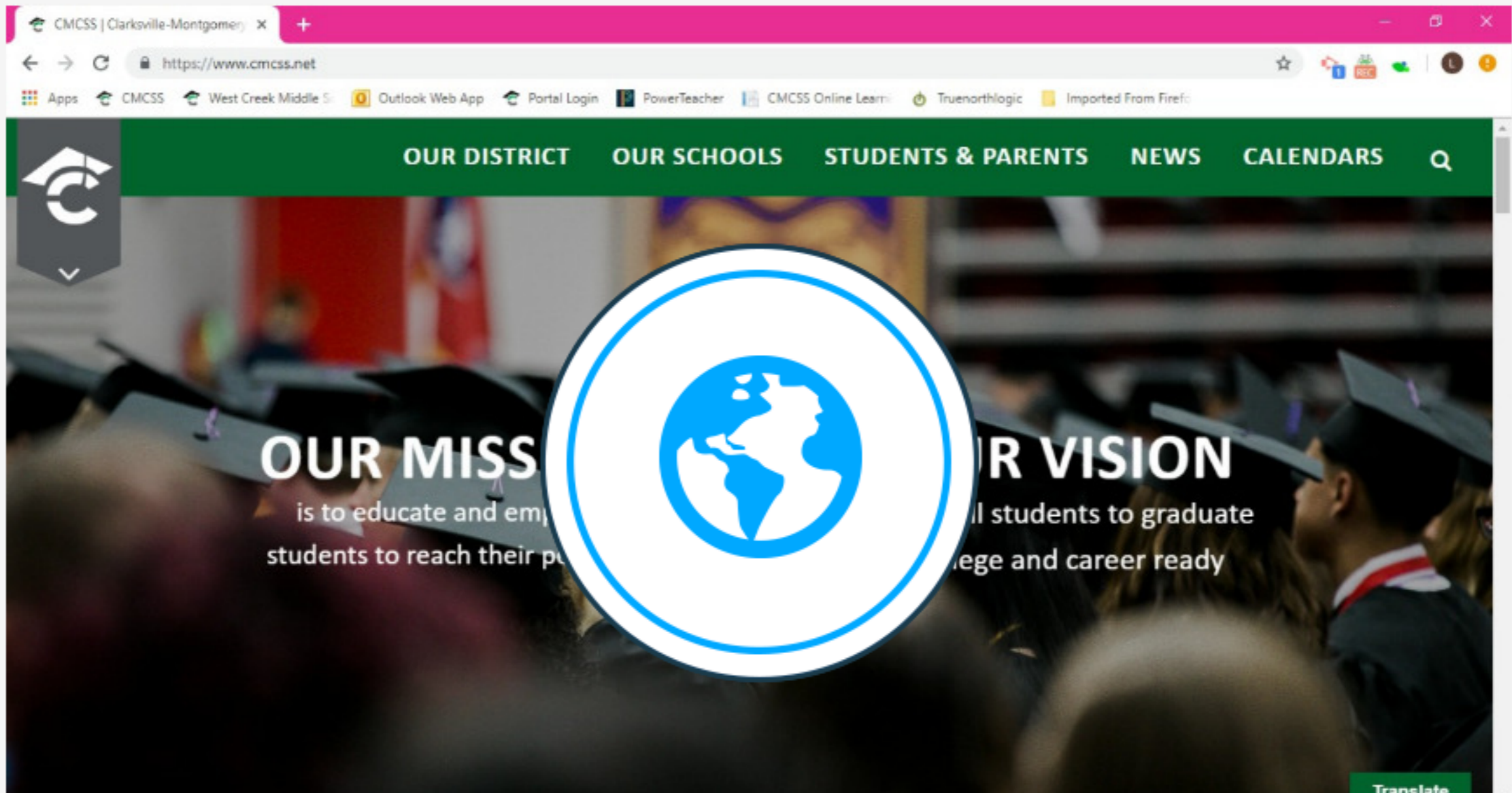


# Vidyard Examples

- Distance between Two Points Lesson
- <https://share.vidyard.com/watch/vTQ77EpZyCcesGto5HZXzh?>
- Unit 8 Assessment Read Aloud
- <https://share.vidyard.com/watch/VtdezhE8gNifV7MsYEtmqD?>

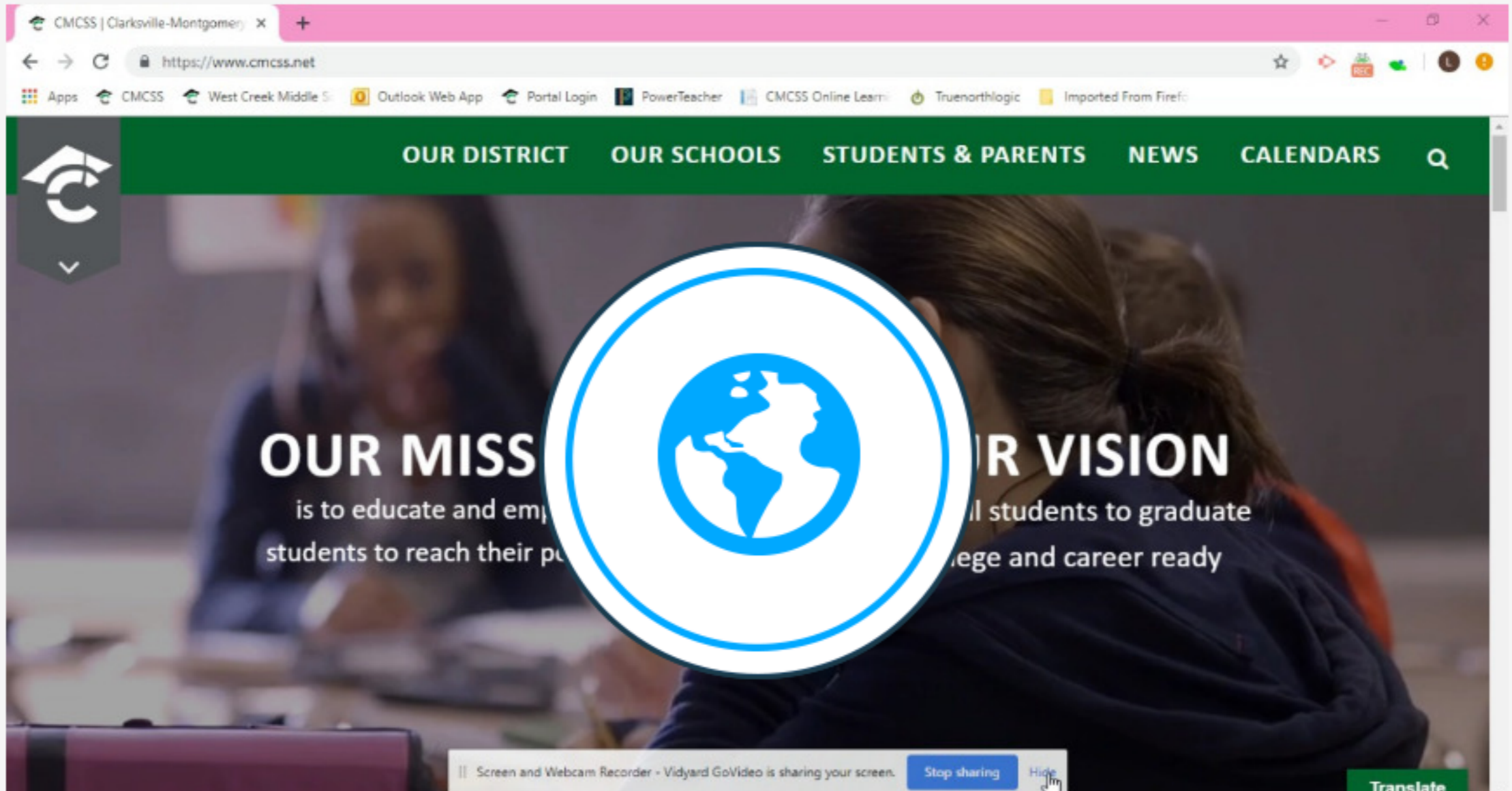


# Vidyard GoVideo Recording



<https://share.vidyard.com/watch/vTQ77EpZyCcesGto5HZXzh>

# Vidyard GoVideo Recording



<https://share.vidyard.com/watch/VtdezhE8gNifV7MsYEtmqD>



# DESMOS

# Desmos

- <https://www.desmos.com/>
- Desmos is a free tool that allows you to quickly graph functions, plot data, evaluate functions, explore transformations, and much more!

The logo for Desmos, featuring the word "desmos" in a lowercase, green, sans-serif font, centered within a white rectangular box.

# Explore math with Desmos.

Graph functions, plot data, evaluate equations, explore transformations, and much more – for free!

Start Graphing >



### Four Function and Scientific

Check out the newest additions to the Desmos calculator family.

### Teacher.desmos.com

Find the best digital activities for your math class – or build your own.



### Learn.desmos.com

Level up your Desmos skills with videos, challenges, and more.

<https://www.desmos.com/>

Graphing on the go? There's an app for that!



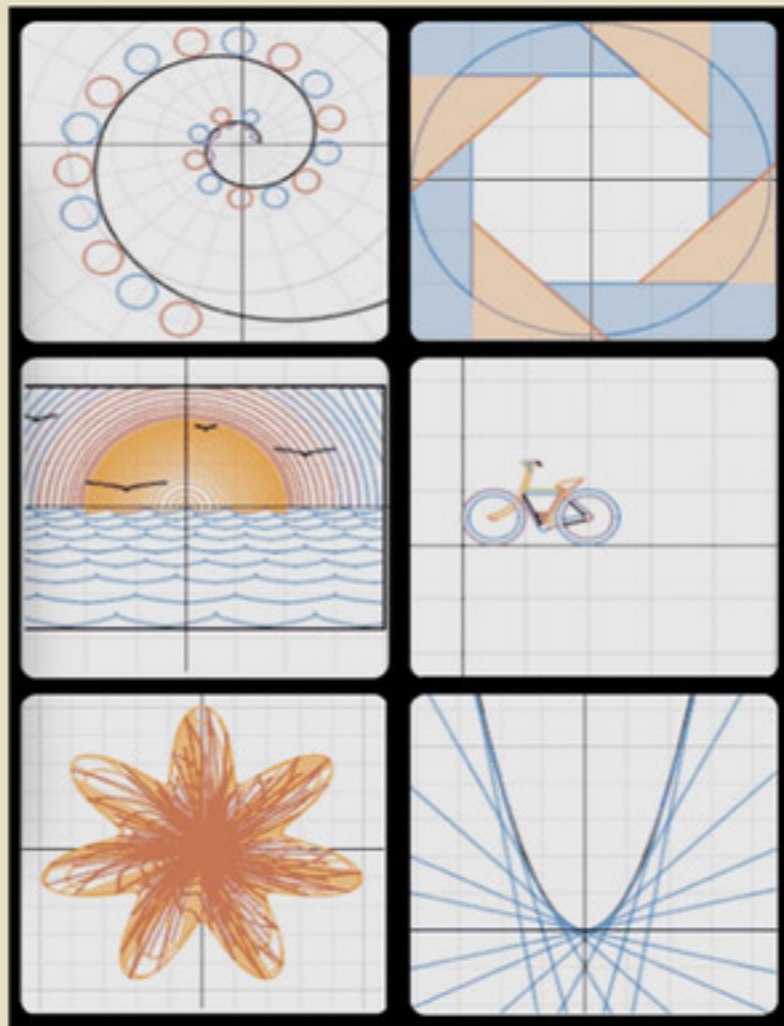
# Highlights of Desmos

- You can easily pull up a large screen graphing tool so that the entire class has the ability to see and discuss material.
- You can set up a Teachers Desmos Account to create virtual activities for students to participate in and complete.
- Great for discovery learning involving transformations and behavior of functions.



# Desmos

- <https://teacher.desmos.com/>
- Premade Classroom Activities
- Create Classroom Activities



Home

Most Popular

Latest

BUNDLES

Conics

Exponential

Expressions

Functions

Inequalities

Linear

Linear Systems

Modeling

Quadratic



# Desmos Classroom Activities

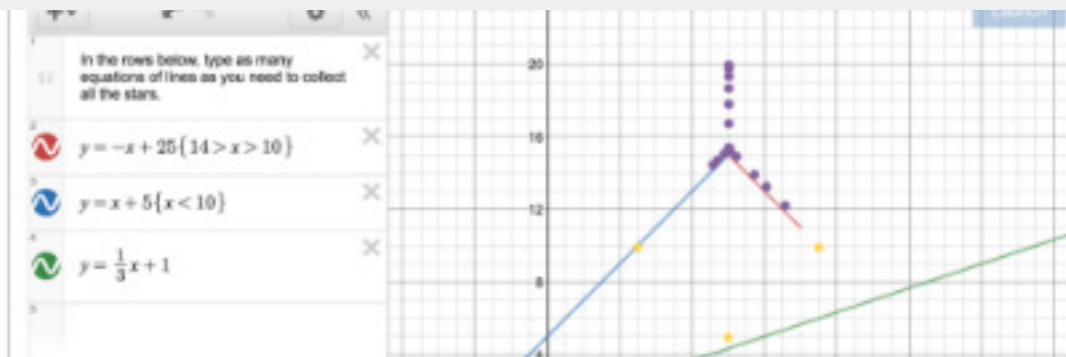
At Desmos, our mission is to help every student learn math and love learning math. We've assembled a collection of unique and engaging activities that are free for you and your students.



Watch the video

## What We Offer

<https://teacher.desmos.com/>



We show students what their answers mean, then give them the opportunity to improve their thinking and revise their work.



@LisaGCeja

So proud of the creative thinking today

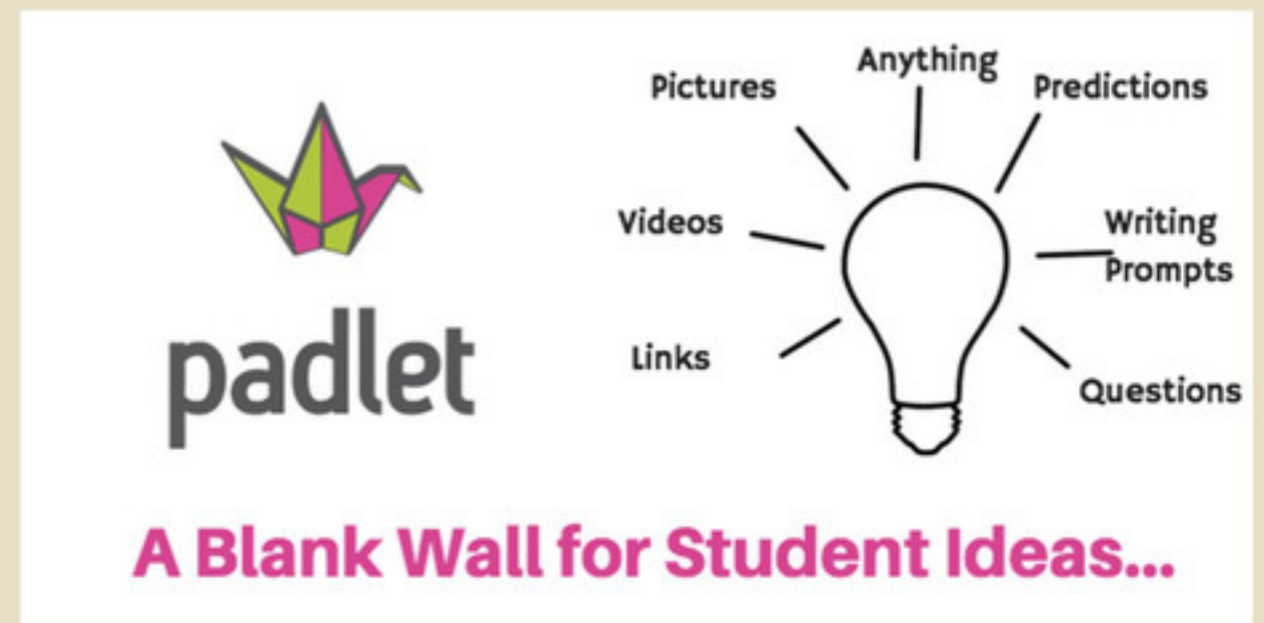


# MATH TECHNOLOGY: ARE YOU UP TO DATE?

Padlet

# Padlet

- Make beautiful boards, documents, and webpages that are easy to read and fun to contribute to.
- Click on the link and share ideas of how you will use some of the technology resources we talked about today with your students.





L Lindsey Spathelf • 2d

# Math Technology - Are you up to date?

After returning to your classroom, how might you use the resources discussed today with your students? Scroll right to see all options.

Nearpod



TI Education



Vidyard



Desmos



[https://padlet.com/lindsey\\_spathelf/mcgadbtporrc](https://padlet.com/lindsey_spathelf/mcgadbtporrc)

# Open Ended Question

**If there are any questions that you still have or would like more information on one of the technologies discussed, please leave your questions and comments below (along with your email address) and we will do our best to reach out to you. Thank you for your time!**

Math Technology - Are you up to date?

Presentation Tools

Tool	Link	Information
Google Classroom	<a href="https://classroom.google.com/">https://classroom.google.com/</a>	Classroom is a free service for schools, non-profits, and anyone with a personal Google account. Classroom makes it easy for learners and instructors to connect—inside and outside of schools. Classroom saves time and paper, and makes it easy to create classes, distribute assignments, communicate, and stay organized.
One Note	<a href="https://www.onenote.com/notebooks">https://www.onenote.com/notebooks</a>	OneNote is a computer program for information gathering and multi-user collaboration. It allows users to store, organize, and share their notes, drawings, and audio commentaries. Notes can be shared with other OneNote users over the internet.
Screencastify	<a href="https://www.screencastify.com/">https://www.screencastify.com/</a>	Screencastify is a Chrome extension for Chrome. It allows you to record your screen and create screencasts. No software installation required. Works on Mac, Windows and Linux.
Loom (Google)	<a href="https://www.loom.com/">https://www.loom.com/</a>	Loom is a video tool that allows you to create video to work. You can record your screen and your front-facing camera, then instantly share the video.
PowerPoint (Voice Recording)	Within Microsoft PowerPoint downloaded on computers	PowerPoint allows you to view, present, or share your presentations quickly and easily from anywhere. You can also access your most recently used PowerPoint files quickly while on the go? PowerPoint provides a quick view of your recent files for easy access on any device.
Vidyard	<a href="https://www.vidyard.com/">https://www.vidyard.com/</a>	Vidyard GoVideo is a free Google Chrome add on that allows you to create and share videos.



<https://cf.nearpod.com/neareducation/new/Webpage/381643480/iconoriginal.pdf?AWSAccessKeyId=AKIAINYAGM2YWP2OWQBA&Expires=2147483647&Signature=mVY4hwOYxFaUrLxv7jZhdM1ALvQ%3D>

		substitute.
--	--	-------------