

# Tech Integration Across K-8 Classrooms

## What You Will Walk Away With:

- Tools, sites & ideas your teachers can use immediately
- Ideas of where to get started when implementing tech in your district

Branchburg School District

<https://tinyurl.com/BburgTechspo>

# But First, Who Are We?

Jen Hauser - Director of Curriculum and Instruction



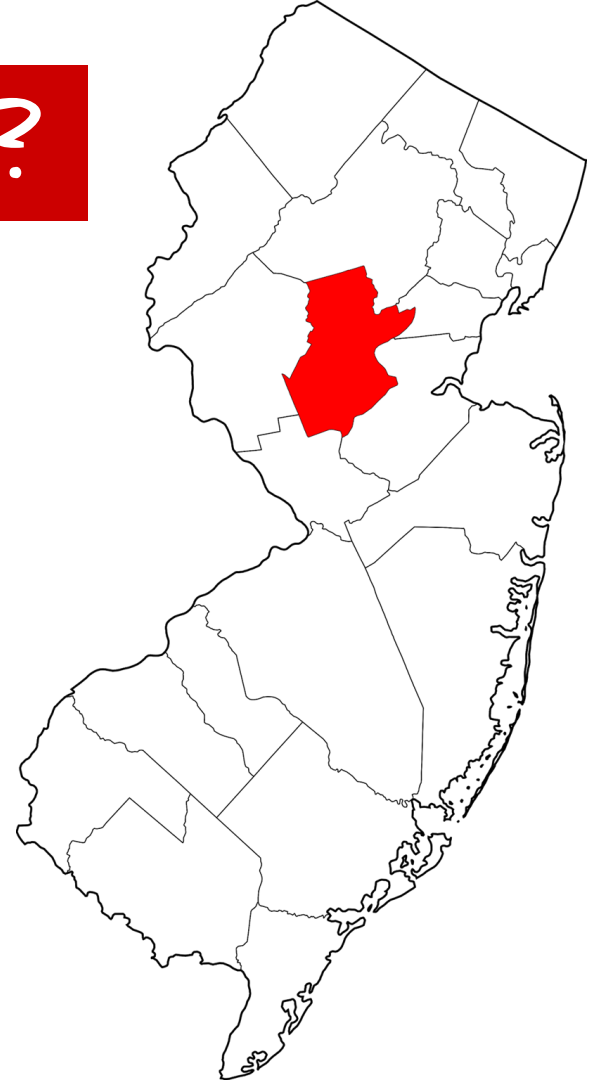
Maggi Emmons - 6-8 STEM Coach



Jocelyn Muzychko - 3-5 STEM Coach



Erica Patente- K-2 STEM Coach



# The SAMR Model for Technology Integration

# SAMR

I wonder what's in the ocean?

@shiraduckworth  
f @edappreciate

NO TECH

## SUBSTITUTION

Tech acts as a direct tool substitute, with no functional change.

## AUGMENTATION

Tech acts as a direct tool substitute, with functional improvement.

## MODIFICATION

Tech allows for significant task redesign.

## REDEFINITION

Tech allows for the creation of new tasks, previously inconceivable.

ENHANCEMENT

TRANSFORMATION

# THE SAMR MODEL

Dr. Ruben R. Puentedura

R

## REDEFINITION

Technology allows for the creation of new tasks, previously inconceivable

M

## MODIFICATION

Technology allows for significant task redesign

A

## AUGMENTATION

Technology acts as a direct substitute, with functional improvement

S

## SUBSTITUTION

Technology acts as a direct substitute, with no functional change

TRANSFORMATION

ENHANCEMENT



## K-2 Integration

## Whiton Elementary School

- \*Primary students can use technology in meaningful ways – they just need to be given the opportunity
- \*Help them become **PRODUCERS** not just CONSUMERS
- \*Staff needs to be trained and feel comfortable taking risks
- \*Make thoughtful decisions about how and when to use which tools

# K-2 Integration

# Whitton Elementary School

QR Codes - Many  
USES  
FOLDER

- Scavenger Hunt Math
- Read Alouds

Powtoons.com  
- Hunger Project

Prezi  
Student  
Creation Tool

Padlet - Staff  
Pd and  
Student work-  
virtual cork  
board

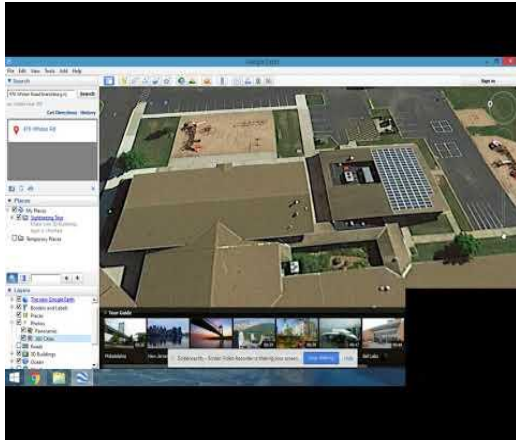
WeVideo- Student Creations  
Student Read Aloud  
Staff/Parent Communication

Screencast  
Staff  
Communication  
Student Use  
Extension

Videos!!!  
Math  
Next Level  
Brainpop Jr  
BP JR  
3 ACT  
TASKS

Google Earth  
SO Many uses!  
Google Lit Trip  
Going Home  
Community Social Studies  
find your neighborhood

Seesaw- Amazing!  
James Madison  
Elem. School  
Edison NJ



# 3-5 Integration Stony Brook School

-Lets Recap-evaluate students understanding and helps with speaking and listening goals and standards

-Google Classroom to evaluate student learning, assign tasks and assignments, create a sharing platform, and reduce the paper waste.

-Edpuzzle

-Google Forms

-Assessments, surveys, data collection

-thatquiz.org-quick assessments on various skills (math fluency)

-Screencastify-students share learning and teach games to each other. Then use the Google Classroom to share it.

-Brainpop (quizzes can be used with Pickers)

-Pickers-to evaluate student learning -  
GREAT RESOURCE

-Live Anchor Charts

-Re-teaching/Pre-teaching

# 6-8 Integration Branchburg Central Middle School

Select a School ▾

Language ▾

Login

Search...



## Branchburg Central Middle School



Home

Activities

Departments

Organizations

Directories

Information

Parents

Teams

Staff

[SUMMARY OF BCMS TECH](#)



**First**

**Rate**

**Educational**

**Engaging**



## [Virtual Reality](#)

Goggles not needed

Take a Field Trip, Almost Anywhere:)

Media Sherpas

# Google Expeditions











# BCMS Mannequin Challenge





WORK ROOM



PRODUCTION  
STUDIOS

TEACH

17

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Mac

iPad

iPhone

Watch

TV

M

## App Store Preview

This app is only available on the App Store for iOS dev



### Green Screen by Do Ink 4+

DK Pictures, Inc.

#14 in Education

★★★★☆ 64 Ratings

\$2.99

# Green Screen Technology, using the App Doink Green Screen





NEW YORK STOCK EXCHANGE

**rh** RHI



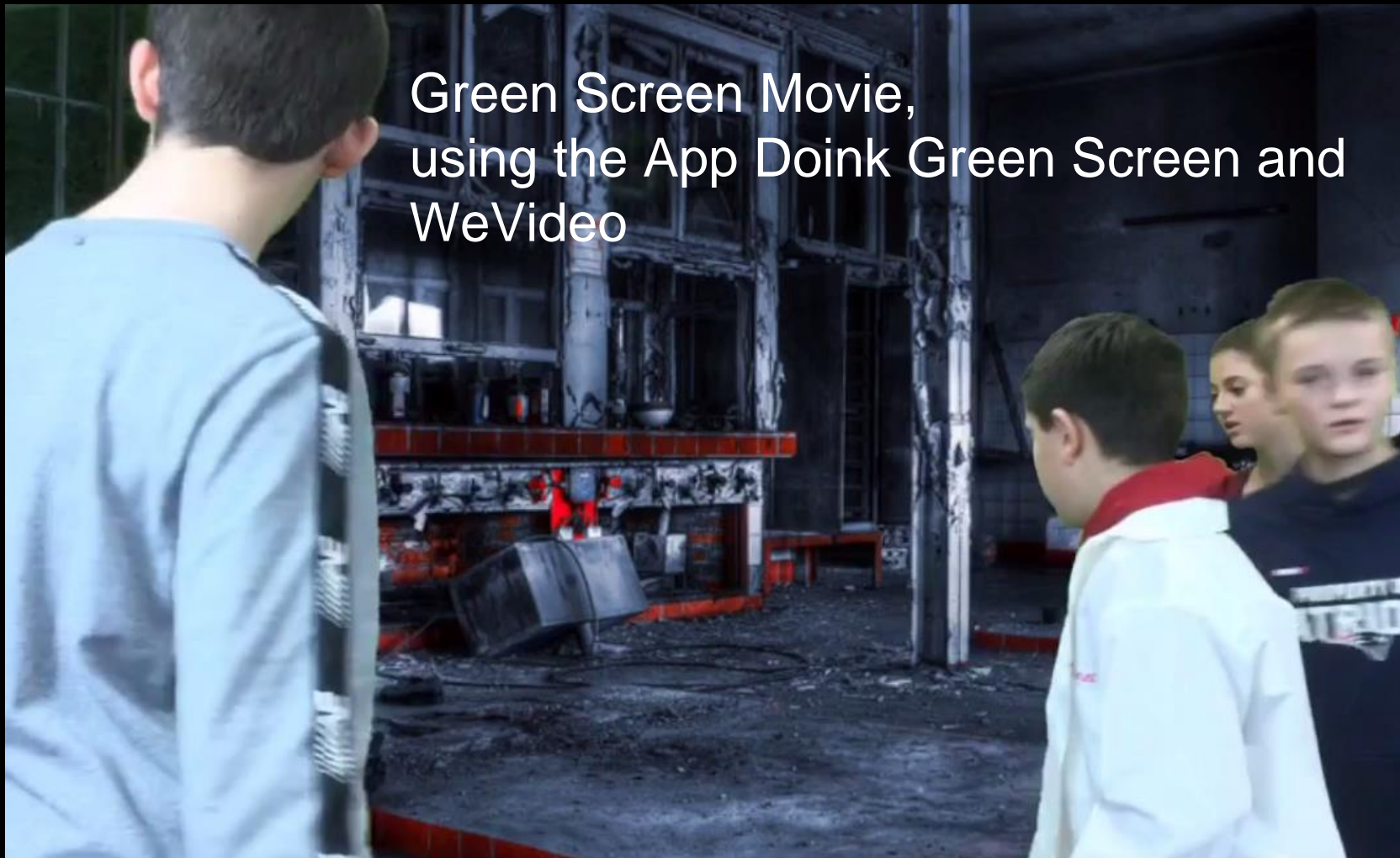




**wevideo**



Green Screen Movie,  
using the App Doink Green Screen and  
WeVideo



**SCREENCASTOMATIC**



# Desmos Teacher Free!!!

## View all your students' progress on one screen

Marbleslides: Lines 9DFE4

Anonymize Pacing Pause 3 STUDENTS

	1 Let's Ma...	2 Fix It #1	3 Reset	4 Fix It #2	5 Fix It #3	6 Fix It #4	7 Predict #	8 Verify #1	9 P...
Dylan	✓	✓	—	✓	●				
Rider B...	✓	✓	—	✓	●				
Zachary	✓	✓	—	✓	✓	●			

The interface shows a progress grid for three students: Dylan, Rider B..., and Zachary. The grid tracks progress through nine slides. Dylan and Rider B... are currently on slide 5, while Zachary is on slide 6. Slides 5 and 6 show student counts of 2 and 1 respectively.

Desmos Teacher: **Free!!!**

Click “Anonymize” so you won’t see the real names.

The screenshot displays the Desmos Teacher interface. At the top, the workspace title is "Marbleslides: Lines" with a unique ID "9DFE4". Below this is a control bar with buttons for "Anonymize", "Pacing", and "Pause". The "Anonymize" button is highlighted by a large white arrow pointing from the left. The main area shows a grid of student work. The first column contains student names: "Dylan Ro...", "Rider Bur...", and "Zachary...". The subsequent columns show thumbnails of student work, including graphs and text. A table below the thumbnails shows the status of each student's work, with checkmarks and colored dots indicating progress or completion.

Student Name	1 Let's Ma...	2 If you have too much fun, and you want to	4 Fix It #2	5 Fix It #3	6 Fix It #4	7 Predict #	8 Verify #1	9 F
Dylan Ro	✓	•						
Rider Bur	✓	•						
Zachary	✓	✓	•					

Free!!!

+ ▾

⏪ ⏩

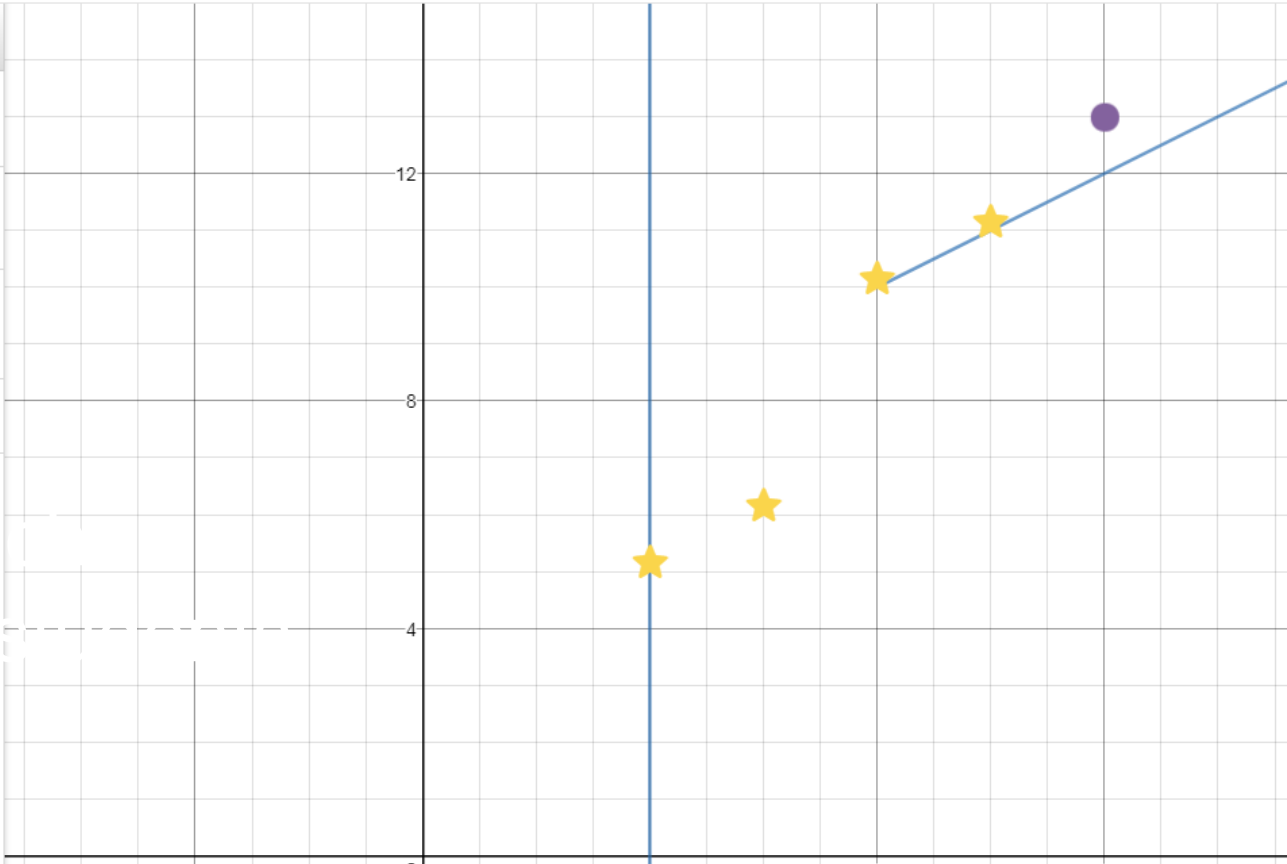
⚙️ ⏪

Type as many equations of lines in the rows below as you need to collect all the stars. ✕

$y = \frac{1}{2}x + 6\{x > 8\}$  ✕

$x = 4$  ✕

-10  10 ✕



DESMOS

Free!!!

# Polygraph: Lines

Ask questions to guess which graph your classmate picked.

## Classes

Create Class Code

CLASS CODE	STUDENTS	DATE	
MSSRT	9	Jun 12, 2017 at 8:49 pm	<a href="#">View Dashboard</a> ⋮
FCXSQ	0	Jun 12, 2017 at 8:49 pm	<a href="#">View Dashboard</a> ⋮

### WHAT WE HAD IN MIND

- Algebra students
- One 60-minute class period
- Students who are developing relevant vocabulary

### GOALS OF THIS ACTIVITY

- Students will be able to...
- Identify important features of lines
  - Precisely describe these features to their peers
  - Increase their vocabulary relevant to lines

### SUPPORTED DEVICES



## State Data Map

GRADE:

3-5, 6-8, 9-12

STANDARDS:



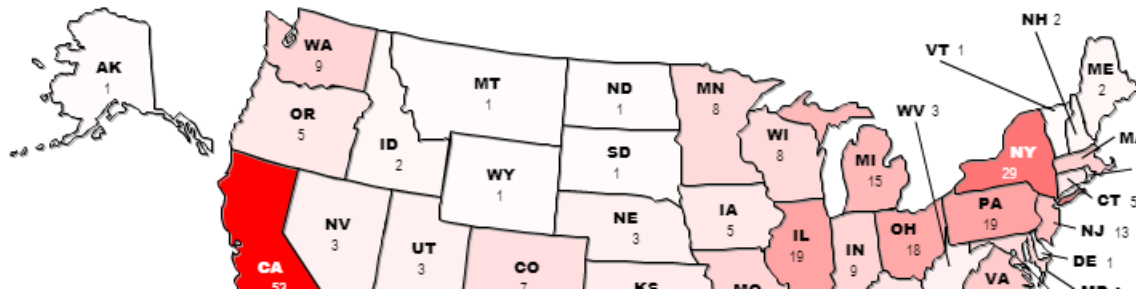
MATH CONTENT:

Data Analysis and Probability

Information can be represented in many ways, and this applet allows the user to represent data about the states using colors. The state with the highest value is darkest; other states are shaded proportionally. Investigate any of the data provided—or enter data of your own!

[Activity](#)
[Instructions](#)
[Exploration](#)
[Related Resources](#)
[Data Sets](#)
[Clear Data](#)
[Map Color](#)
[Hide Map Numbers](#)

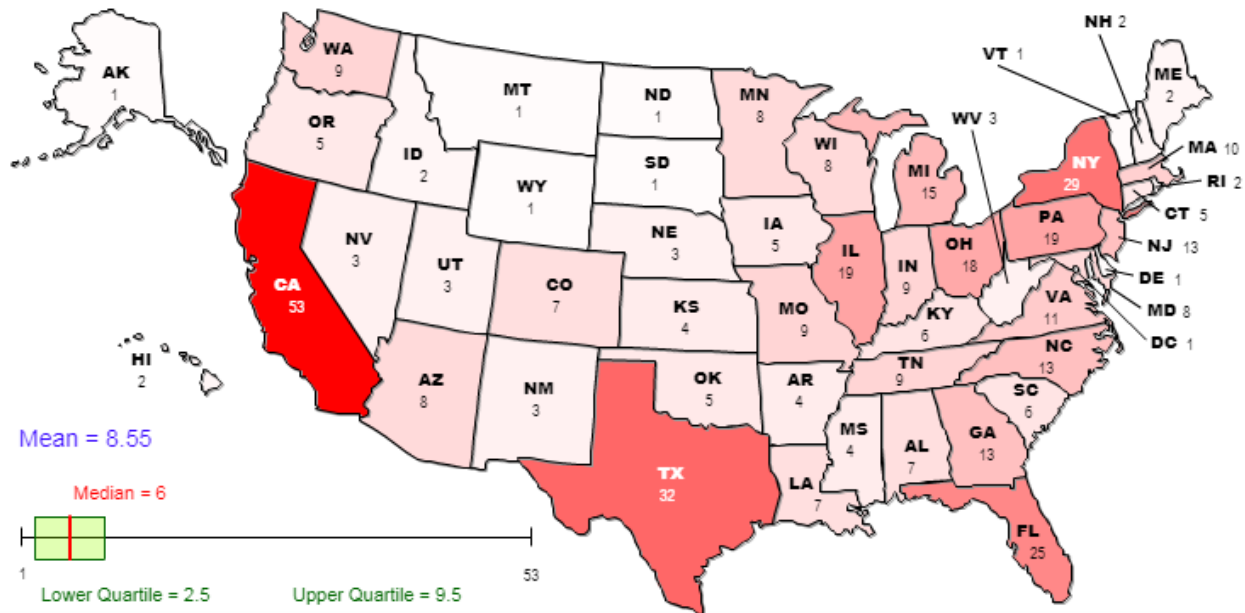
### Representatives in Congress (2005)



Free!!!

[Data Sets](#)[Clear Data](#)[Map Color](#)[Hide Map Numbers](#)

## Representatives in Congress (2005)



AK	1	FL	25	LA	7	NC	13	OK	5	VA	11
AL	7	GA	13	MA	10	ND	1	OR	5	VT	1
AR	4	HI	2	MD	8	NE	3	PA	19	WA	9
AZ	8	IA	5	ME	2	NH	2	RI	2	WI	8
CA	53	ID	2	MI	15	NJ	13	SC	6	WV	3
CO	7	IL	19	MN	8	NM	3	SD	1	WY	1
CT	5	IN	9	MO	9	NV	3	TN	9		
DC	1	KS	4	MS	4	NY	29	TX	32		
DE	1	KY	6	MT	1	OH	18	UT	3		

[Update Map](#)

Free!!!



## Cube Nets

GRADE:

3-5, 6-8

STANDARDS:



MATH CONTENT:

Geometry

A *net* is a two-dimensional figure that can be folded into a three-dimensional object. Which of the nets below will form a cube?

This interactive is optimized for your desktop and tablet.

Activity

Instructions

Exploration

Related Resources



0:00



Free!!!

## Geometric Solids

GRADE: STANDARDS: MATH CONTENT:

Pre-K-2, 3-5, 6-8, 9-12



Geometry

This tool allows you to learn about various geometric solids and their properties. You can manipulate and color each shape to explore edges, and vertices, and you can also use this tool to investigate the following question:

For any polyhedron, what is the relationship between the number of faces, vertices, and edges?

What other questions can this tool help you answer?

This interactive is optimized for your desktop and tablet.

Activity

Instructions

Exploration

Related Resources

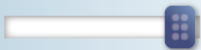
Select a shape: Octahedron

Solid

Net



Zoom Level:



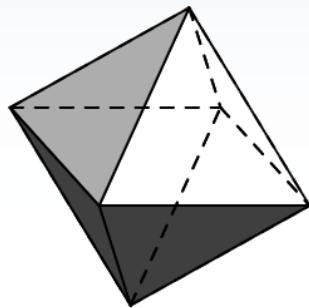
Transparent

Shaded

Faces (F) =

Edges (E) =

Vertices (V) =



Free!!!



Mac

iPad

iPhone

Watch

TV

Music

## App Store Preview

This app is only available on the App Store for iOS devices.



**KenKen** 4+

National Council of Teachers of Mathematics

★★★★☆ 7 Ratings

Free

Screenshots

Free!!!



## KenKen

GRADE: Pre-K-2, 3-5, 6-8, 9-12

STANDARDS:

MATH CONTENT: Number and Operations, Algebra

KenKen® is a puzzle game that helps students improve their calculation skills, logical thinking and persistence. The goal is to fill a grid with number appears more than once in any row or column. In addition, the numbers must combine to form a target number using a specific op

This page is updated with four new KenKen puzzles daily and is provided in collaboration with Nextoy, LLC.

Goin' mobile? [Download NCTM KenKen from the iTunes App Store today!](#)

[Activity](#)
[Instructions](#)
[Exploration](#)
[Related Resources](#)


candidates:

7+	5+	3-	
			3
1-		4	6+

# Free!!!



00:00:06

Lvl.1 (No.) 113



7+		2	1-
3+	1-		
	2-		4
6+		2-	

1	2	3	4	5	
6	7	8	9		

**GAMES:** F.R.E.E. [Calculation Nation](#)

(FIRST RATE, ENGAGING, EDUCATIONAL

By NCTM (Nat'l Council of Teachers of Math.)

Quality, fun games from both perspectives-  
student's and teacher's

Students investigate significant mathematical  
content and practice fundamental skills.

Can also play against the computer, or against  
others.

Excellent vocabulary integration

## Simulations

New Sims

HTML5

Physics

Biology

### ► Chemistry

General Chemistry

Quantum Chemistry

Earth Science

Math

By Grade Level

By Device

All Sims

Translated Sims

## Teaching Resources

Research

Accessibility

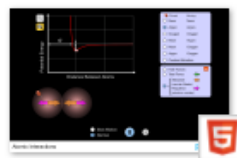
Donate



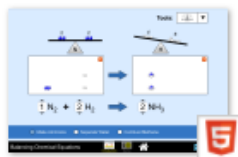
Acid-Base Solutions



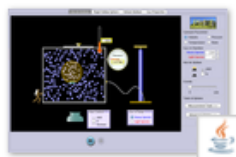
Alpha Decay



Atomic Interactions



Balancing Chemical Equations



Balloons & Buoyancy



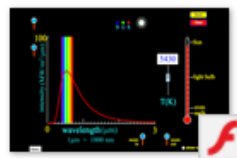
Balloons and Static Electricity



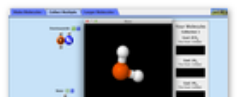
Beer's Law Lab



Beta Decay



Blackbody Spectrum



PHET Colorado University, Boulder

## **SIMULATIONS**

[PHET Youtube channel](#)

Physics and Chemistry. Some Earth Science and math

[Alignment with Middle School NGSS](#)

Pre-class assignment – introduce new ideas

Post instruction – develop robust understanding

Google  
Hangouts



[Girls Who Code 5:40](#)



# GWC\_EG\_Hangout

Created:



Girls Who Code 5:40



AUTODESK®  
TINKERCAD®

TINKERCAD FOR...

FEATURES

GALLERY

COMMUNITY

LEARN

TEACH

## Tinkercad is a simple, online 3D design and 3D printing app for everyone.

Tinkercad is used by designers, hobbyists, teachers, and kids, to make toys, prototypes, home decor, Minecraft models, jewelry – the list is truly endless!

[Start Tinkering now](#)



Free!!!

And couple this  
with objects from

THINGI  
VERSE

# Online Formative Assessment Toolbox

Free!!!

[Edulastic](#)

[Kahoot](#)

[Video](#)

[Go Formative](#)

[Socrative](#)

[Videos](#)

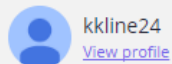
[Quizizz](#)

[Quizalize](#)

[Video](#)

[Google Forms](#)

# Free!!!



kcline24  
[View profile](#)

Search

Create a Quiz

My Quizzes

Reports

Memes

Collections

Profile

Settings

Sign out

Switch to old design

Help



## Sales Tax, Tip & Discount

▶ Played 54 times

♥ 0 people like this

📖 7th grade

📁 Mathematics

● 74% average accuracy

4 days ago  
by kcline24

♥ Like

📁 Add to collection

🔥 5 Questions

👁️ SHOW ANSWERS

Question 1

120 seconds

You want to buy one DVD for \$24.99 and another for \$19.99. What is the total price of both DVD's plus tax if sales tax is 6.75%?

- \$47.85
- \$46.18
- \$48.02
- \$46.48

▶ PLAY LIVE

🕒 HOMEWORK

✎ EDIT

📄 DUPLICATE

🖨️ PRINT


🗑️ DELETE

🔗 SHARE

[Report Abuse](#)

Quizizz

Free!!!

 Sales Tax, Tip & Discount [\(edit\)](#) 76% Accuracy 5 Questions 11 Players

🕒 December 1st 2017, 8:51 AM (4 days ago) [View quiz](#)

Players Questions **Overview** 🗑 Delete 🖨 Print 📄 Download

Player names	Q1	Q2	Q3	Q4	Q5
	73%	82%	55%	64%	73%
	✓	✗	✓	✓	✗
	✗	✓	✓	✗	✓
	✗	✓	✓	✗	✓
	✓	✓	✗	✗	✓
	—	—	—	—	—
	✓	✓	✓	✓	✓
	✓	✓	✗	✓	✗
	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓
	✓	✓	✗	✓	✓
	✓	✓	✗	✓	✓

	A	B	C	D	E
		Description	Deposit	Withdrawal	Balance
1					\$0.00
2					\$0.00
3	Nov.15, 2017	Virtual Loan	\$10,000.00		\$10,000.00
4	Nov.16, 2017	GE Industrials 110 Shares		\$2,002.00	\$7,998.00
5	Nov. 16, 2017	Verizon 50 shares		\$2,227.50	\$5,770.50
6	11/16/2017	Ford Motor vehicle 55 shares		\$662.75	\$5,107.75
7	11/20/2017	Verizon 50 shares		\$2,302.50	\$2,805.25
8				\$2,794.50	\$10.75
9	11/27/2017	Iconix 1150 shares	\$2,070.00		\$2,080.75
10	11/27/2017	ETSY 100 shares		\$1,710.00	\$370.75
11		Sale of Etsy 90 shares	\$1,526.00		\$1,896.75
12	11/28/2017	Ford 135 shares		\$1,640.25	\$256.50
13	11/28/2017	10 shares of Etsy	\$169.80		\$426.30
14	11/28/2017	1 shares of 3m stock		\$234.55	\$191.75
15	11/29/2017	Ford 15 shares		\$185.55	\$6.20
16	12/1/2017	sale of 100 GE shares	\$1,790.00		\$1,796.20
17	12/1/2017	5 shares of 3M		\$1,203.85	\$592.35

# Google Sheets



=GOOGLEFINANCE("mmm", "price")

A	B	C	D	E	F	G	H	I
	Company	Linked Stock Symbol	Stock Exchange	Purchase Date	# of Shares Purchased	Purchase Price per share	Total Purchase price	Current Stock Value from Google Finance
	General Electric	GE	NYSE	11/16/2017	10	\$18.20	\$182.00	\$16.17
	Verizon	VZ	NYSE	11/16/2017	50	\$44.55	\$2,227.50	\$53.46
	Ford	F	NYSE	11/16/2017	55	\$12.05	\$662.75	\$12.02
	Verizon	VZ	NYSE	11/20/2017	50	\$46.05	\$2,302.50	\$53.46
	3M	MMM	NYSE	11/28/2017	1	\$234.55	\$234.55	\$247.30
	Ford	F	NYSE	11/28/2017	125	\$12.12	\$1,515.00	\$12.02

**\$820.70**

	Finance	
\$182.00	\$16.17	-\$20.30
\$2,227.50	\$53.46	\$445.50
\$662.75	\$12.02	-\$1.65
\$2,302.50	\$53.46	\$370.50
\$234.55	\$247.30	\$12.75
\$1,515.00	\$12.02	\$12.50

Finance

Apple Inc. (NASDAQ:AAPL)

Add to portfolio

More results

Company

Summary

News

Option chain

Related companies

Financials

**177.00** -1.46 (-0.82%)

After Hours: 177.30 +0.30 (0.17%)

Jan 22, 6:42PM EST

NASDAQ real-time data - Disclaimer  
Currency in USD

Range 176.60 - 177.78  
52 week 119.50 - 180.10  
Open 177.30  
Vol / Avg 27.09M/25.68M  
Mkt cap 908.77B  
P/E 19.27

Div/yield 0.63/1.42  
EPS 9.19  
Shares 5.13B  
Beta 1.23  
Inst. own 62%



Dow Jones	26,214.60	0.55%	<div style="width: 5px; height: 10px; background-color: #4CAF50;"></div>
Nasdaq	7,408.03	0.98%	<div style="width: 5px; height: 10px; background-color: #4CAF50;"></div>
Technology		0.88%	<div style="width: 5px; height: 10px; background-color: #4CAF50;"></div>
AAPL	177.00	-0.82%	<div style="width: 5px; height: 10px; background-color: #F44336;"></div>

Markets

News

Portfolios

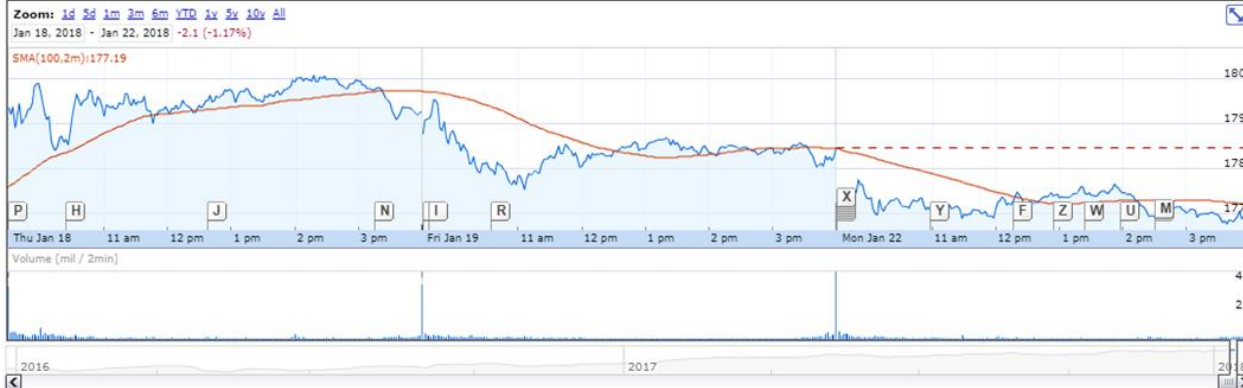
Stock screener

Google Domestic Trends

Recent Quotes (Turn on)

You have no recent quotes

Compare:    Dow Jones  Nasdaq  MSFT  GOOGL  HPQ  SNE  IFNNY  SSNNF  ADBE more >



Settings | Technicals | Link to this view

Volume delayed by 15 mins.  
Prices are not from all markets.  
Sources include SIX.

Related companies

Show:

	Company name	Price	Change	Chg %	d   m   y	Mkt Cap
AAPL	Apple Inc.	177.00	-1.46	-0.82%		908.77B
MSFT	Microsoft Corpora...	91.61	+1.61	1.79%		706.73B
GOOGL	Alphabet Inc	1,164.16	+20.66	1.81%		806.73B
HPQ	HP Inc	23.85	+0.15	0.63%		39.24B

News

Relevance | Date

- A** Apple, Inc. Might Walk Back This Key iPhone Strategy  
Madison.com - 4 hours ago
- B** Apple, Inc. Earnings: Why I'm Watching Guidance  
Motley Fool - Jan 19, 2018
- C** Apple Inc. Might Be Planning to Kill the iPhone X Later in 2018  
Motley Fool - Jan 20, 2018
- D** Monday's Vital Data: Apple Inc. (AAPL), Alibaba Group Holding Ltd (BABA) ...  
Investorplace.com - 9 hours ago
- E** Apple: Hope For A 'Normal' Dividend Hike Seeking Alpha - 12 hours ago
- F** \$2000 iPhone? - The Weight Of Memorv -  
All news for Apple Inc. > Subscribe

Events

Add AAPL to my calendars

Feb 28, 2018  
Apple Inc Annual Shareholders Meeting (Estimated) - 12:00PM EST -

Feb 13, 2018  
Apple Inc Annual Shareholders Meeting - 12:00PM EST -

Feb 1, 2018  
Q1 2018 Apple Inc Earnings Call - 5:00PM EST -

Feb 1, 2018  
Q1 2018 Apple Inc Earnings Release - 4:00PM EST -

Nov 2, 2017



More powerful Tech, but not free....

Screencast-O-Matic

Back to recordings

Published: Sunbathing and Relaxing IStopMotion \_\_\_Love

Sunbathing and Relaxing IStopMotion \_\_\_Love

BCMS Student examples,  
truncated for presentation

Options

- Save As Video File
- Upload to Screencast-O-Matic
- Upload to Google Drive

Edit Delete

0:00.00 0:30



NoodleTools

[Educators](#)

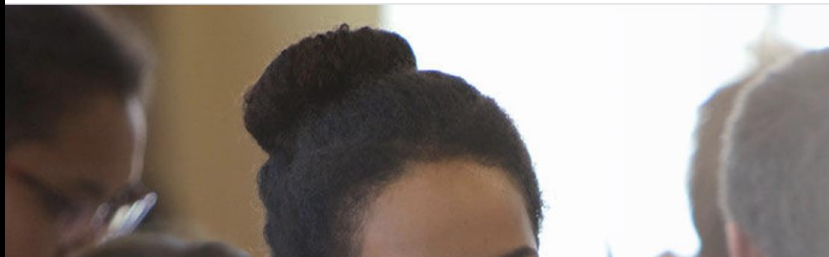
[Students & Researchers](#)

[Plans](#)

[Support](#)

[Trial](#)

[Log In](#)



Not Free

An annotated bibliography-  
Can make note cards to keep track of  
their research, especially helpful for  
independent study projects, such as  
National History Day

# A research platform. An educational mindset.

Designed by educators. Powered by  
technology. Tested by time.





# MINECRAFT

EDUCATION EDITION



CLASS RESOURCES



COMMUNITY



SUPPORT





[Purchasing Information link](#)

DEDICATED SERVER.

“In my dream world...”

Map out Mesopotamia, or the Byzantine Empire

Teacher has controls:

- Turn off animals

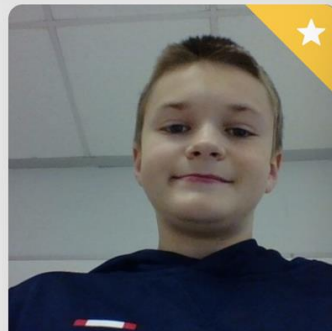
- Can't blow anything up

- Can summon all characters to the teacher

# FLIPGRID

FLIPGRID

Code: e9683b



**Josh W**

Jan 18

The trip to New York

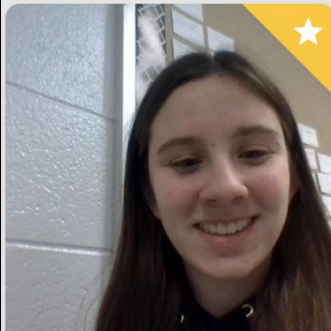


**Corrine F**

Jan 18



**Marcello F**



**Melissa L**

Jan 18



**Jason P**

Jan 18



**Ethan M**

Jan 18



**Kylie R**

My Opinion On The Final Trip

The logo for Flipgrid, featuring the word "FLIPGRID" in white, bold, uppercase letters on a green, rounded rectangular background that is tilted to the right. This green shape is set against a purple background that also has a tilted, rounded shape behind it, creating a layered effect.

**FLIPGRID**

Free version is limited,  
\$ to upgrade

“Video selfies” in  
which students reflect  
on a unit, or respond  
to a question

# An Extension for Chrome

Declutter material from a website BEFORE students read it.

The image shows the Chrome Web Store page for the Mercury Reader extension. At the top, the extension is identified by a puzzle piece icon with a red rocket, the name "Mercury Reader", and the developer "https://www.postlight.com". It features a 4.5-star rating from 1,528 reviews, an "Accessibility" link, and a user count of 1,446,830. A note indicates it is available for Android with a "Get it" link.

Below the header are navigation tabs for "OVERVIEW", "REVIEWS", "SUPPORT", and "RELATED". The main content area has a dark, cratered background with the text "MERCURY READER" in large white and teal letters. A sub-headline reads "Turn any article into a clean and readable view with one click." Below this is a preview of a browser window showing a news article titled "Huge Underground Ice Deposit on Mars Is Bigger Than New Mexico" by Mike Wall, dated Nov. 26, 2016. A circular callout highlights the extension's icon in the browser's toolbar, which includes a star for bookmarks, the red rocket icon, and a three-dot menu.

Other promising apps

Coggle -mind mapping

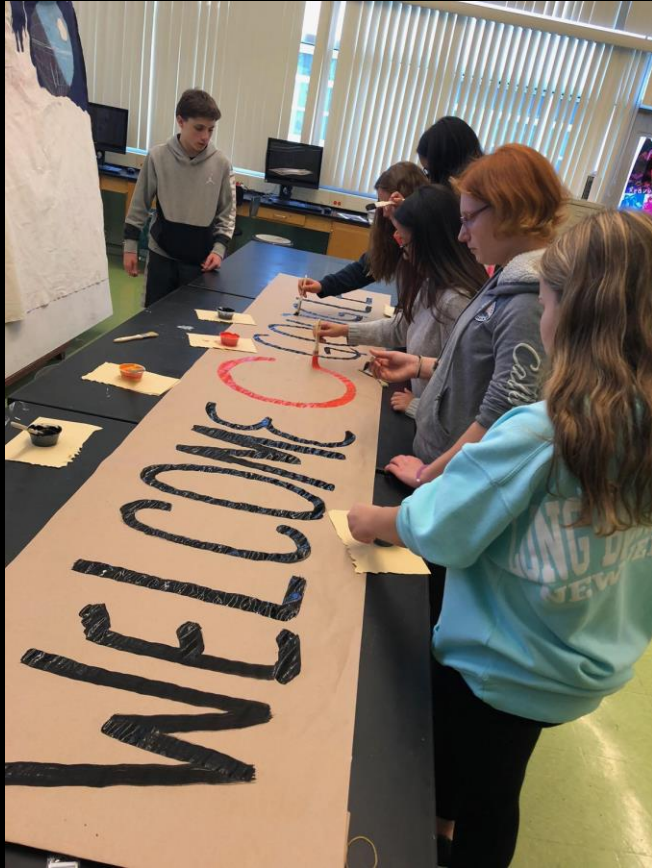
Floorplanner

[Aurasma](#)- an AR app

Expect a lot of future apps that use the recently released ARKit framework for AR



# Augmented Reality



# Augmented Reality



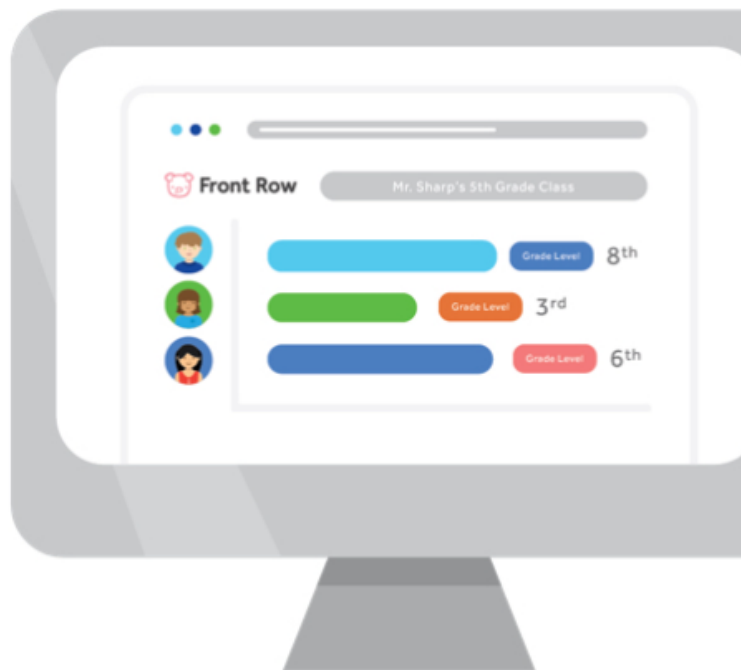
# SUBSCRIPTIONS



# Reach every student at *their* level

Front Row helps you deliver the perfect lesson to every student across Math, ELA, Social Studies and Science

Sign up free



# Front Row

**Adaptive, online**

**independent practice of reading skills**

**first log in the student is given an adaptive pre-test in both language arts and math to establish baseline**

**teachers can assign specific articles for the students to read, based on which skills they want to target**

**or students can pick articles based on interest, or work on word study (word sounds and phonemic skills)**

**Articles are leveled by reading level.**

**Can earn points within the program which they can use to dress an avatar.**

# Reading A-Z

[Order Now](#)[Free Trial](#)[ABOUT](#)[RESOURCES](#)[FILE CABINET](#)[MANAGE STUDENTS](#)[TEACH](#)

## READING A-Z

Ranked  
#1  
by K-5 teachers\*

Thousands of downloadable, projectable, printable teacher materials, covering all the skills necessary for effective reading instruction.

[Get Free Samples](#)[Start My Free Trial](#)[ORDER NOW](#)



## Reading A-Z

Adaptive, online

independent practice program,

Students choose leveled books. The books are about 10 pages long, max.

There are 26 different levels, going from pre-primer to 7th grade reading level.

First, the program reads the chosen book aloud to the student.

Then, the student reads the book independently.

Finally, the student takes a quiz about the book.

Teachers can also use the program as a whole class resource.

I often find printable books about whatever we are studying in social studies that are written at a lower level.

The program has printable worksheets and reading quizzes for each book.

students can earn points and furnish their own little rocket ship.

This site uses cookies. By continuing to browse this site, you are agreeing to our use of cookies. [Find out more here.](#)



# ALEKS®

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**LOG IN**

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[» System Requirements](#)

New Student?

**SIGN UP NOW!**

[TAKE A TOUR](#)

[FREE TRIAL](#)

“ Never before have I seen a mathema program that builds such confidence ALEKS creates independent learners

—Professor Gwen, HE | Lone Star

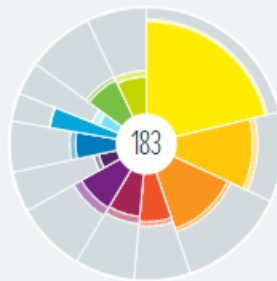
## Class Information

DuFermont Math 6  
2017-2018

28

Class Code:  
X9QFN-UNLLDClass Duration:  
09/01/17 - 07/30/18Course Product:  
Middle School Math  
Course 1 / LV 6Class Grade:  
6th GradeInstructor:  
Mrs. Danielle Puglisi[Class Summary »](#)

## ALEKS Pie Report



49%

Progress  
183 of 372  
Topics

Select slice to see mastery.

[View Full Report »](#)

## Time and Topic - Learning Mode



3M

1M

2W

1W



January 16 - January 22

Legend

[View Full Report »](#)

## Students Not Recently Logged In



More than



7



days

Hubbard, Mason	01/12/2018	
Ramsden, Brendan	01/12/2018	
Hubbard, Miles	01/12/2018	
Irwin, James	01/12/2018	
Scofield, Tyler	01/13/2018	
Suresh, Pragati	01/14/2018	
Amin, Ahmed	01/15/2018	

[Class Roster »](#)

## Progress Overall



Highest

Lowest

Hubbard, Miles	1	89%	
Carro, Anthony	2	82%	
Irwin, James	3	66%	
Brand, Jack	4	66%	
VanNatta, Gianna	5	63%	
Gonzales, Patricia	6	63%	

[View All »](#)

## Ready to Learn



Introduction to translations	93% >
Using algebra tiles to determine if two expressions are equivalent	86% >
Identifying statements that describe a ratio	82% >
Area between two rectangles	82% >

[View All »](#)



Find Gizmos

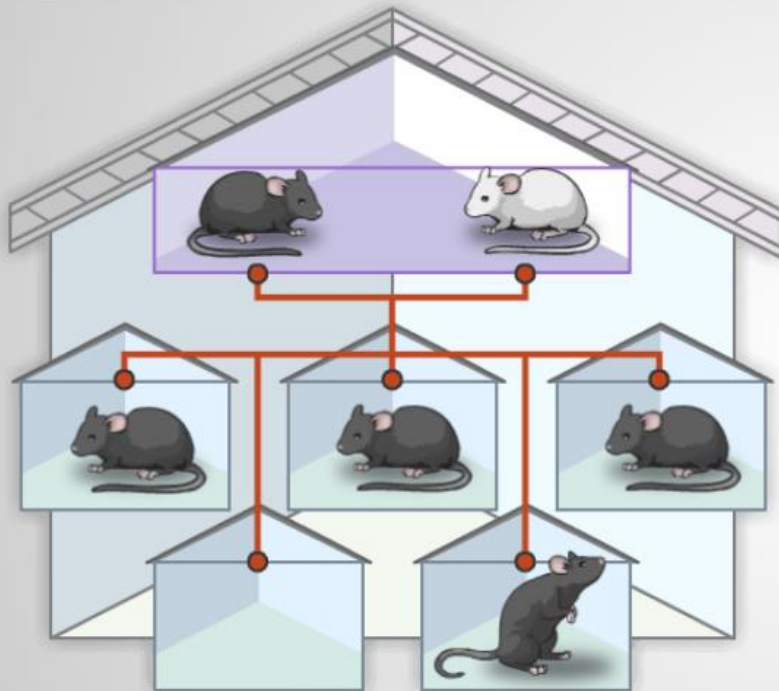
Learn More ▾

Logi

Online simulations that power  
inquiry and understanding



"Pure" mice

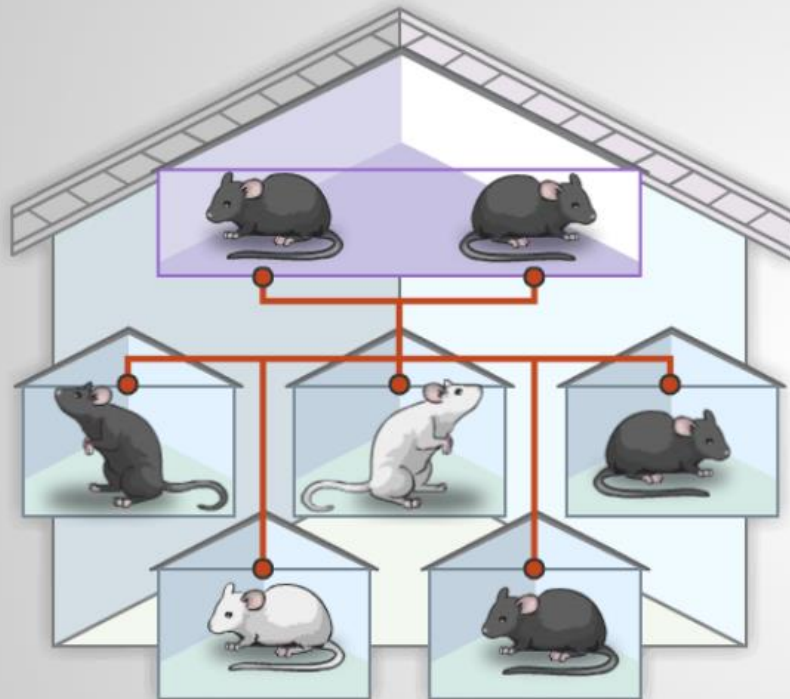


Breed

Clear



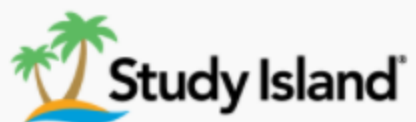
"Pure" mice



Breed

Clear



[Sign In](#)[Forgot Password?](#)

[Brain Pop](#) - explain things clearly and with great visuals as well. Students love the videos, and can pause the video to clarify or ask questions. Each video has a quiz at the end. [Examples of use: Elapsed Time, and Islam introduction]

## [Aleks](#)

Adaptive, standards based, pretest and knowledge tests, quick tables,  
Grade level math at the middle school  
Reports mailed to parents

Explore Learning Gizmos

[Explore Learning YouTube Channel](#)

## [Study Island](#)

38%  
match

You are Love

Chant Avedissian



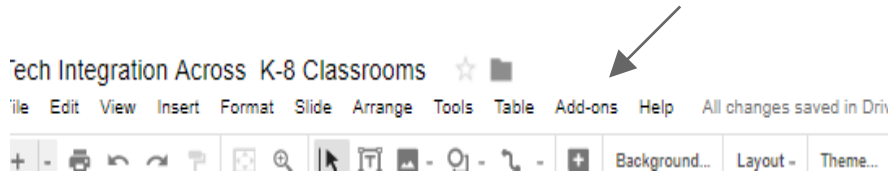
Barjeel Art Foundation  
Google Arts & Culture

# Steps to Get Your District and Staff Integrating Meaningful Tech



- Collaborate with BOE members to identify district goals
- Budget money to support software/subscription renewals and possible new purchases
- Identify staff members who are interested and excited to experiment with new technology
- Provide staff with opportunities to attend outside professional development to learn about new meaningful technology and see it in action
- Give staff time to share what technology they are using with their colleagues - "Tech Tuesdays"
- Write meaningful technology into the curriculum
- 1:1 Initiative helps encourage exploration (both student and teacher) and makes tech more commonplace
- Start small - don't try to include too much too soon

# Our Favorite Google Add-ons and Extensions



**Add ons-** adds increased functionality (LOOK ON TOOLBAR)

**Openclipart-** copyright clear. Over 50,000 images- search in docs

**DocSecret-** simple way to encrypt info in a document

**Highlight Tool**

**Avery Label Merge**

**Easy Accents-** Spanish

**Sheets Add On-**

**Split Names**

**Remove Blank Rows-** helpful when working in large spreadsheets

**Lab Scheduler** - sign out for labs, carts etc

**Flubaroo-** grading etc

## Chrome Web Store

**Apps and Extensions-** web based applications extensions run in chrome browser

**GeoGebra** - works as graphing calculator and integrates with smart notebook Dynamic Math

**Quizlet-** study tool 50 million ready made sets

**Folder Notifications-** receive changes of shared folder.

**Cloud converter-** converts to or from Google Drive

**Videonot.es** - watch video and take notes can share or add notes to video while children watch

**CleanPrint-** clears up ads and such before you print

**Awesome Screenshot-** annotation tool and can blur out sensitive info

**Google Read & Write-** hear words/passages, translates text and turns words to text as you speak, also has a picture dictionary (free on teacher account only)

**Screencastify-** video screencast

**One Click Timer-** aid students' time management

**Readability-** saves web articles - disables clutter etc.

**Save To Classroom-** save sites to your Google Classes

# Recommended Websites- including links to lists by subjects

[Link to List of Websites for All Subjects](#)

[www.edpuzzle.com](http://www.edpuzzle.com)

[www.padlet.com](http://www.padlet.com)

[Pitman School District](#) (Saw this yesterday here at TECHSPO)

<https://web.seesaw.me/>

[www.powtoon.com](http://www.powtoon.com)

[www.wevideo.com](http://www.wevideo.com)

[www.classroom.google.com](http://www.classroom.google.com)

[www.screencast-o-matic.com](http://www.screencast-o-matic.com)



# Contact Info Branchburg School District

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Jennifer Hauser

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jmuzychko@branchburg.k12.nj.us - Jocelyn Muzychko 3-5 STEM Coach

memmons@branchburg.k12.nj.us - Maggi Emmons 6-8 STEM Coach

<http://www.branchburg.k12.nj.us/>

# Question/Answer



# Lets recap



Sign In

Sign Up

What attributes do a square and rectangle have in common?

Shared by:



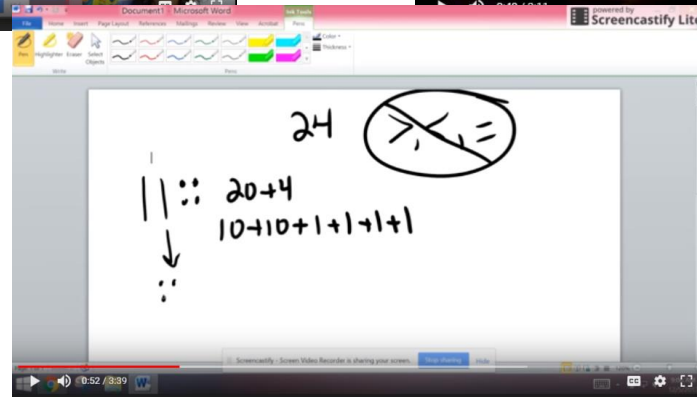
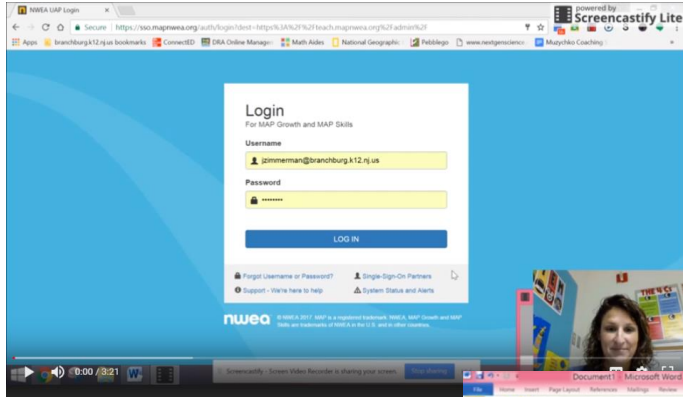
Question 1

What attributes do a square and rectangle have in common?

Learn more about [Recap](#)

[Return](#)

# ScreenCastify






































[Return](#)

**t h a t q u i z**  
math test activities for students and teachers of all grade levels © 2017





Teachers: login or [create an account](#) or [\[search\]](#) or [\[learn more\]](#)

Login/Email  Password  [Login](#)

integers	fractions	concepts	geometry	
 Arithmetic	 Identify	 Time	 Triangles	
 Inequality	 Arithmetic	 Money	 Shapes	
 Averages	 Inequality	 Measure	 Geometry	
 Exponents	 Averages	 Place value	 Points	
 Factors	 Simplify	 Graphs	 Angles	
 Algebra	 Probability	 Sets	 Number line	
 Calculus			 Trigonometry	

vocabulary		geography	
 English	 Spanish	 Americas	 Europe
 French	 German	 Africa	 Asia

**science**

 Cells	 Anatomy	 Elements	 Conversion
---	---	--	--

English Español Français Português Català Euskara  
Polski Slovenščina Türkçe Ελληνικά 中文(简体) עברית

Have a test code?  [Return](#) [Enter](#)

# Google Forms

Which experiment will grow grass?

Please choose one answer:

Cotton balls, water, seeds, air, and sunlight

yes

no

Soil, milk, seeds, air, and sunlight \*

yes

no

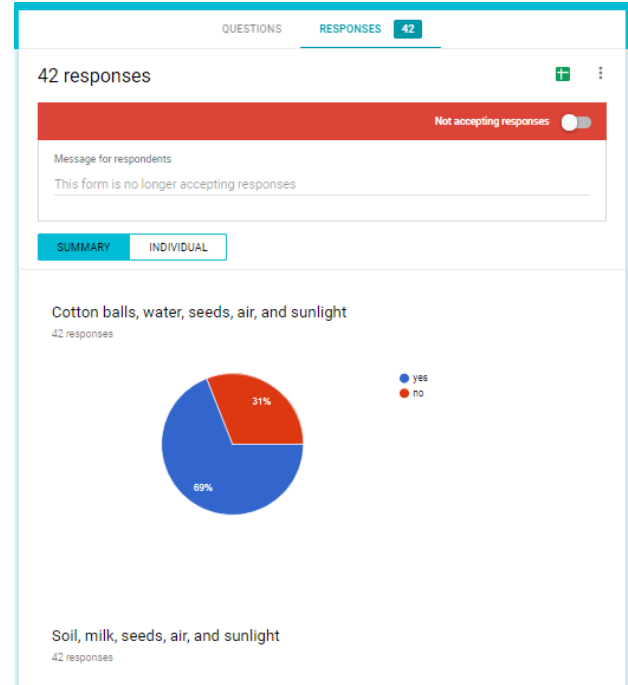
Dead plant matter, water, seeds, air, and sunlight \*

yes

no

Gravel, water, seeds, air, and sunlight \*

yes

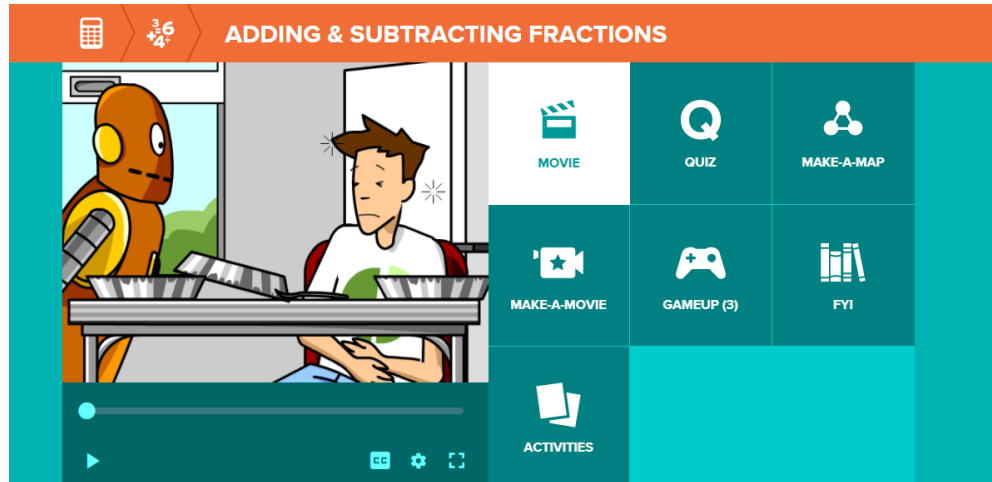


[Return](#)



# Brain Pop

ADDING & SUBTRACTING FRACTIONS



MOVIE

QUIZ

MAKE-A-MAP

MAKE-A-MOVIE

GAMEUP (3)

FYI

ACTIVITIES

ADDING & SUBTRACTING FRACTIONS

1 In the fraction  $\frac{1}{2}$ , the number 1 is:


A The numerator

B The denominator


C The donator

[Return](#)

# Plickers


 **plickers** Library Reports Classes Live View Cards Help J. MUZYCHKO

[← Back to Question History](#)


Tech Workshop 9/29/17 10:56 AM 

Which app or program would you like help setting up for your classroom? Total: 9/0

- A. Google Add-Ons
- B. Plickers
- C. Edpuzzle
- D. coonected



Answer	Card #	First name	Last name
A	5	Guest	
C	6	Guest	
D	7	Guest	
A	8	Guest	
A	9	Guest	

 Help

[Return](#)

# Google Classroom

**Mrs. Morin's Science Class 2017-2018**  
4th Grade

STREAM STUDENTS ABOUT

## Mrs. Morin's Science Class 2017-2018 4th Grade

Randi Morin Rocce Fornaro Jocelyn Muzychko

No work due soon  
VIEW ALL

TOPICS  
No topics  
ADD TOPIC

Saved posts (10)

Randi Morin  
Jan 15

**Phenomena: When I go on a bumper car and collide with another car, it makes a loud sound.**

1 DONE 49 NOT DONE

Day 1: Observe the phenomenon and develop questions to investigate what is causing the bumper car to collide with another car and make a loud noise. What system is this model showing? Watch the video below: <https://www.youtube.com/watch?v=SbQnOg-DXt0>

Day 2: Carefully observe how energy transfers to sound. Research and experiment. Develop a model through illustration to explain how energy transfers to sound.

Day 3: Assessment: Individually construct a written explanation supported by evidence for the causes and effects for the energy transfer of sound. How is the energy changing? What patterns do you notice between motion and sound energy? Use this core idea: Energy can be moved from place to place by moving objects or through sound, light, or electric currents. When objects collide, the contact forces transfer energy so as to change the objects' motion.

Energy Core Ideas  
Google Docs

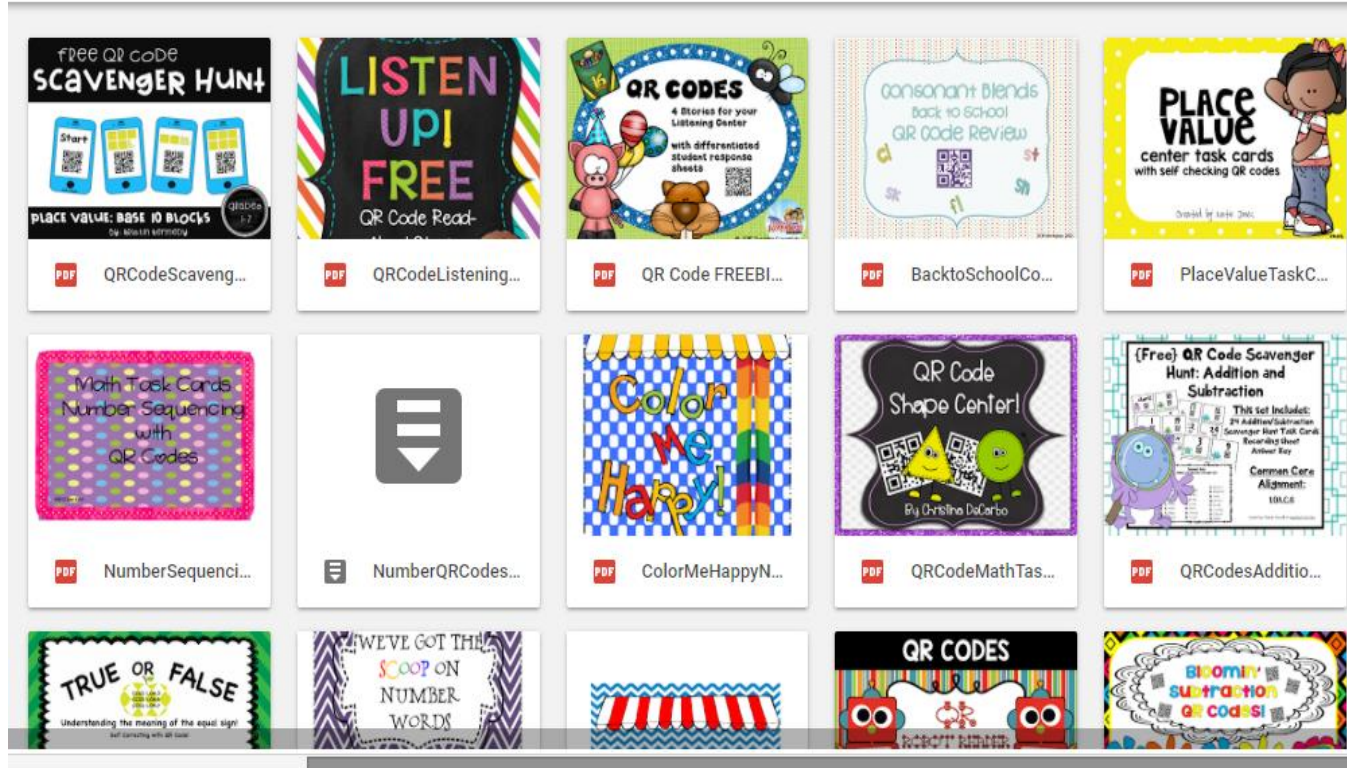
[Return](#)

# QR Folder

Search Drive

QR code (abbreviated from **Quick Response Code**) is the trademark for a type of [matrix barcode](#) (or two-dimensional [barcode](#))

My Drive > qr code



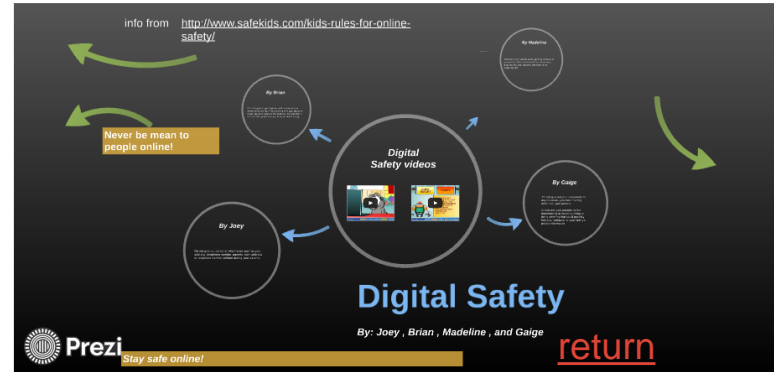
Quickly get to destination, create their own QR codes linked to answers or riddles, self checking, etc.

[return](#)

# Prezi

Another way to present information

You can include videos, text, images and sound.



# K-2 POWTOON

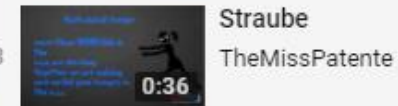
Online tool to create short videos

- Add music, text, graphics and animation



The Hunger Project 2nd Grade

TheMissPatente - 1 / 29



[return](#)



# Padlet - Virtual Corkboard

SO MANY USES student and staff

padlet

Miss Patente +19 • 2yr

## Eelman Wellness Video

Watch the videos and then write at least 3 new facts you learned.

♥️ REMAKE ↗️ SHARE ⚙️ ... 🌐

**Tegan**  
germs

**Landon**  
use soap and water

**URIEL GERMS ARE EVREY WERE!!!**

**andrew grems are bade**

**Liam**  
some bacteria is good for you

**caroline**  
you have some good grems and bad you need the good ones to get the bad grems out

**URIEL**  
I LEARNED THAT GERMS HAVE RDNA DNA ON THERE BODY AND ALSO I LEARNED THAT SOME ARE GOOD FOR YOU LIKE CELLS

**andrew to get shots to get rid of gems**

**james**  
cover cuts

**andrew to not chak sumods hand wen they are sike**

**COLIN**  
I LEARND THAT YOU WASCH YOUR HANDS.

**MAGGIE**  
I LEARNED THAT WASHING YOUR HANDS WITH S

**JOSE**  
GET A shot EVRY YEAR.

**gabbi**  
all ways get reldly for

**Landon**  
wash your hands

**MAE**  
WASH YOUR HANDS FOR 20 SECONDS

**jenna**  
You have to WASH your hands with soap!!!!!!!

**gabriel**  
I learned that there are good germ and bab germ.

**uriel**  
I learned that you should always wash your hands after you go to the bathroom/sink

**Tegan**

+



# Google Lit Trip

Students can create their own as well!

See what is happening in the story, visit the places authors reference

The screenshot shows the Google Earth interface. The main map displays the continent of Africa. A popup window titled "African Elephants" is open, featuring a photo of two elephants in a savanna. The popup text includes: "AFRICAN ELEPHANTS - Click the VIDEO & SOUND tab on this link and see the beauty of the African elephants.", "Learn more about African Elephants.", "Report Broken Links", and "Directions: To here - From here". The "Tour Guide" at the bottom shows a sequence of images and locations: Nigeria, Sahel, the ritz carlton inter..., Nairobi, Kenya, adobe systems, Nile, Sahara Desert, Gauteng, and South Africa.

The screenshot shows the Google Lit Trips website. At the top right is the Google Lit Trips logo with the tagline "READING THE WORLD". Below the logo is a search bar and a "Google Custom Search" button. The main content area is titled "Lit Trip Library" and includes a list of titles and authors. A featured section highlights "A Family Apart by Joan Lowery Nixon" with a book cover and a brief description. Below this is a section for "An Educator Developer Collaboration with Anne Brusca" featuring a photo of Anne Brusca and a description of her work. Another section highlights "An Educator Developer Collaboration with Jerome Burg" with a photo of Jerome Burg. The bottom of the page features a navigation menu with links for "WELCOME • HOME", "LIT TRIP LIBRARY", and "GLT STORE". The footer includes the year "© 2006 - 2018 GLT Global ED" and the "return" logo.

# WeVideo

Free limited version or fairly inexpensive paid

Video editing

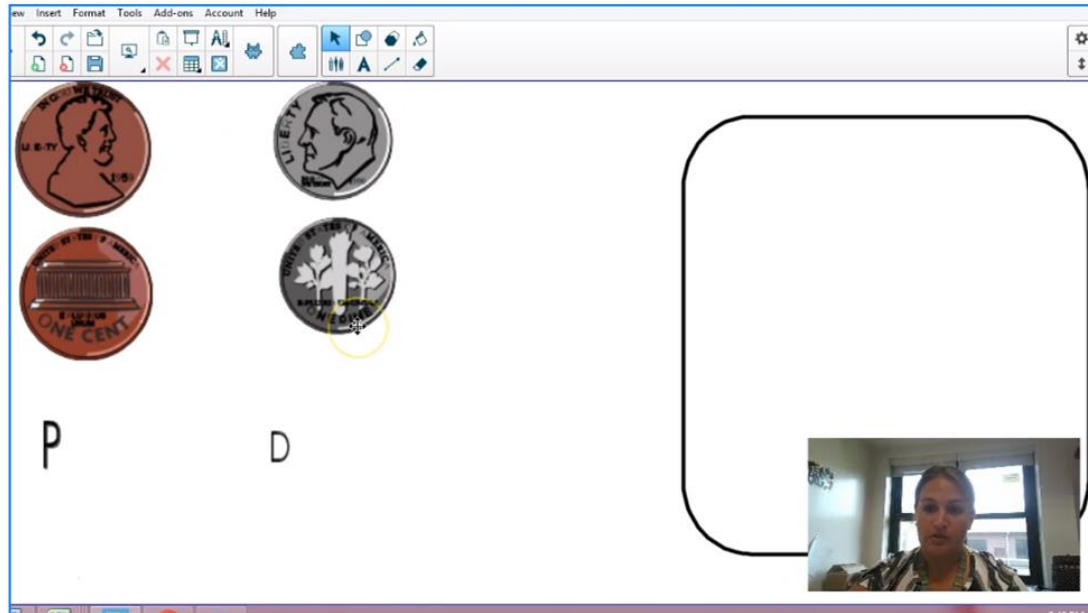
Student creations, staff and admin. communication tool

The screenshot displays the WeVideo web interface. At the top, the WeVideo logo is on the left, and navigation links for 'Dashboard', 'Projects', 'Media', and 'Videos' are in the center. On the right, there are links for 'CHANGE PLAN', a help icon, and a notification bell with a '3' badge. Below the navigation bar, the main workspace is divided into several sections. On the left, there are tabs for 'MY VIDEO', 'THEMES', and 'FINISH'. Below these are icons for various editing tools. The central 'MEDIA' section contains a grid of video thumbnails, including 'Finished Videos', 'Project media', and several individual video clips with their respective durations. On the right, a large video player shows a group of students on a stage. The player includes a progress bar at the bottom, a search bar, and playback controls. A red 'return' watermark is visible in the bottom right corner of the video player.

# ScreenCast

Screencastify or Screencast-o-matic

SO MANY USES--- Here's an example of extending the lesson



[return](#)

# Video Resources

Last edit was on November 3, 2017

Subitizing Videos-- you can use these for math indep., math with tech or with a buddy depending on the needs of your students.

<https://www.youtube.com/watch?v=nsScVF6Jo6A>  
<https://www.youtube.com/watch?v=z7G5w8mMSHs> (includes tallies)  
<https://www.youtube.com/watch?v=ib5Gf3GIzAg>  
<https://www.youtube.com/watch?v=mF5UT-i38HY>  
[https://www.youtube.com/watch?v=6yyz\\_OycV4A](https://www.youtube.com/watch?v=6yyz_OycV4A)

Recognizing Numbers  
<https://www.youtube.com/watch?v=cwcCyXsGNZE> (Numbers in 20)  
<https://www.youtube.com/watch?v=1W5aYi3lkhq> (Numbers in the teens)

I

Make 10  
[https://www.youtube.com/watch?v=RiFRb\\_Uoa3U](https://www.youtube.com/watch?v=RiFRb_Uoa3U)  
[https://www.youtube.com/watch?v=YBkpC29\\_GoI](https://www.youtube.com/watch?v=YBkpC29_GoI)  
<https://www.youtube.com/watch?v=GyK8iEO5-GI>  
[https://www.youtube.com/watch?v=jZi-6\\_-Uhwz](https://www.youtube.com/watch?v=jZi-6_-Uhwz)  
[https://www.youtube.com/watch?v=1yl4H\\_uoDE](https://www.youtube.com/watch?v=1yl4H_uoDE) Making 10 & compensation flipped learning lesson  
<https://www.youtube.com/watch?v=E4Kq28ayZiU> Making 10 compensation lesson  
<https://www.youtube.com/watch?v=366cj4x4DNI>

Doubles  
<https://www.youtube.com/watch?v=8jOzhiACB68>  
<https://www.youtube.com/watch?v=M9YQ4phTB0E>

Take videos to the next level by using Edpuzzle or screencast -- differentiation & engagement!

## Act 1

Watch the video:




What do you notice? What do you wonder?







return


- How many times will the juggler be able to bounce the ball off a body part until it hits


# BrainPop Jr.

Paid subscription- can use on Chromebooks or iPads

 **Draw About It**

 Moby bought a pencil for 60¢. He paid with a dollar bill. Draw how much change he should get back.

 Start



# Seesaw - digital portfolio and SO much more

EMPOWER STUDENTS AND ENGAGE FAMILIES WITH SEESAW



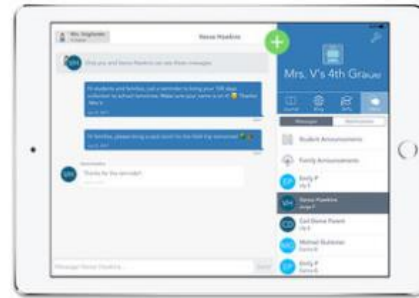
## For Students

Seesaw empowers students to independently document their learning with built-in creative tools, and provides an authentic audience for their work.



## For Families

Seesaw gives families an immediate and personalized window into their child's school day, and makes communication with teachers seamless.



## For Teachers

Seesaw saves time on organization and parent communication, makes formative assessment easy, and provides a safe place to teach 21st Century skills.

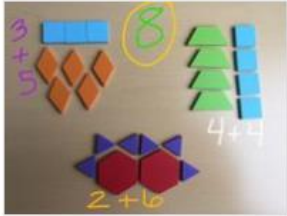
[SIGN UP FREE!](#)

[return](#)

# Seesaw Teacher view

EP Erica Patente  
Teacher - 1 Class

## Activities



### Math Work

Show what you know in math.

- 1. Tap the add button.
- 2. Take a photo of your work.
- 3. Use the drawing tool.
- 4. Tap the mic and explain.
- 5. Tap the check to add to your journal.

Play Instructions (0:17)

0 Responses, 0 Waiting for Approval, 7 Not Responded

[Add a student](#)

Published Jan 19 at 10:46 AM

Shared with All Students in Patente



### Classroom Moments

Share what you did in class today.

- 1. Tap the add button.
- 2. Take a photo or video.
- 3. Tap the check to add to your journal.

## Top 10 Reasons to Use Seesaw

@sylvia duckworth

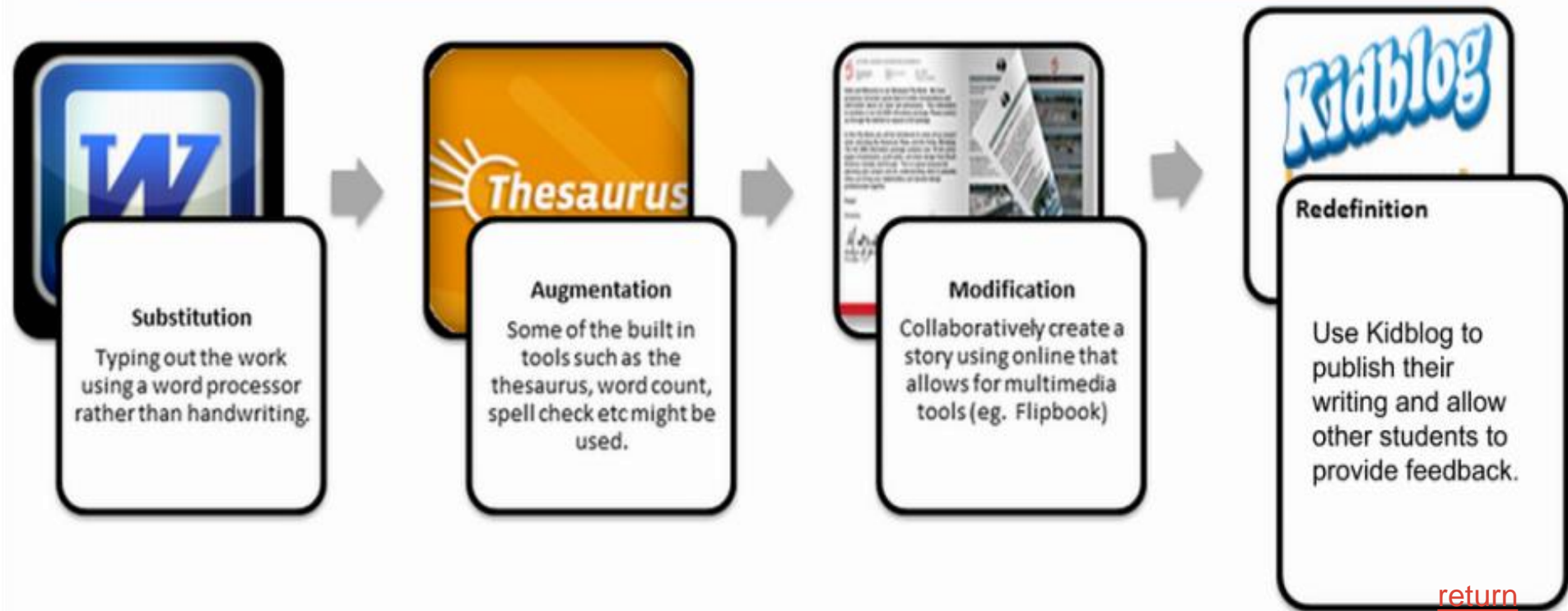
- 1 Easy to use for students, teachers and parents
- 2 Digital portfolio and class blog in one
- 3 One-stop place for students to showcase their work
- 4 Students can choose to display their learning in many different ways
- 5 Gives students an authentic audience and opportunities for feedback
- 6 Increases family engagement and communication
- 7 Gives parents an insider view of their child's learning
- 8 Allows students to learn about digital citizenship
- 9 Allows teacher to monitor and assess student progress
- 10 It's free (and fun)!

[return](#)



# Writing Example

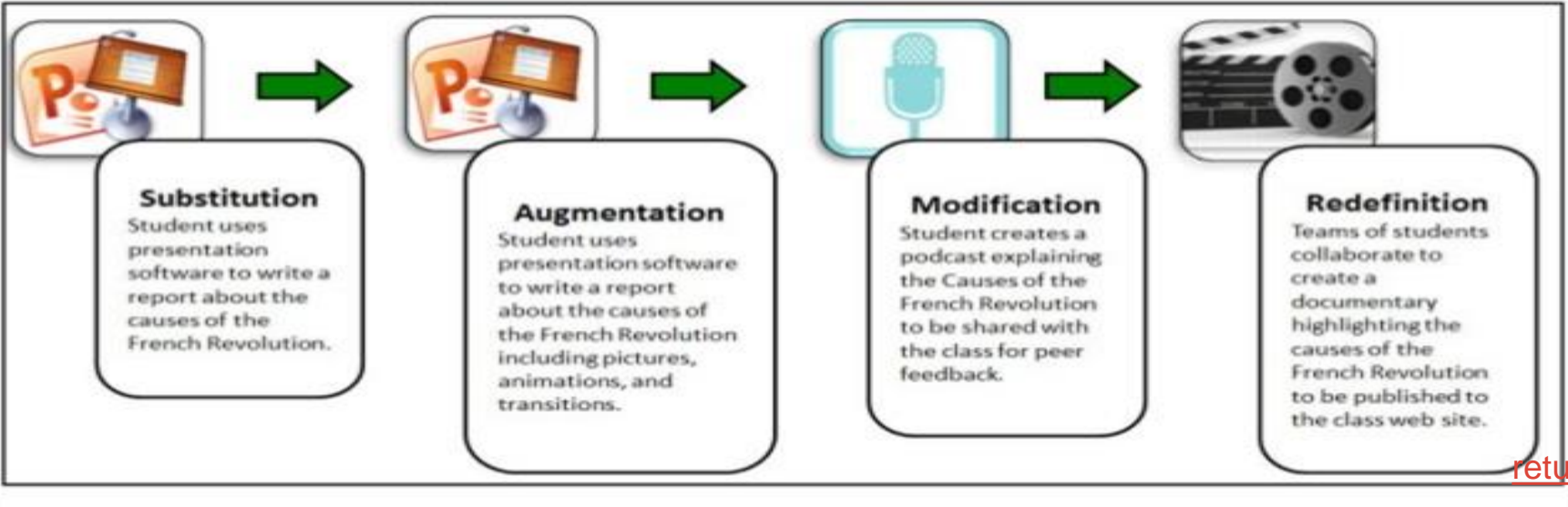
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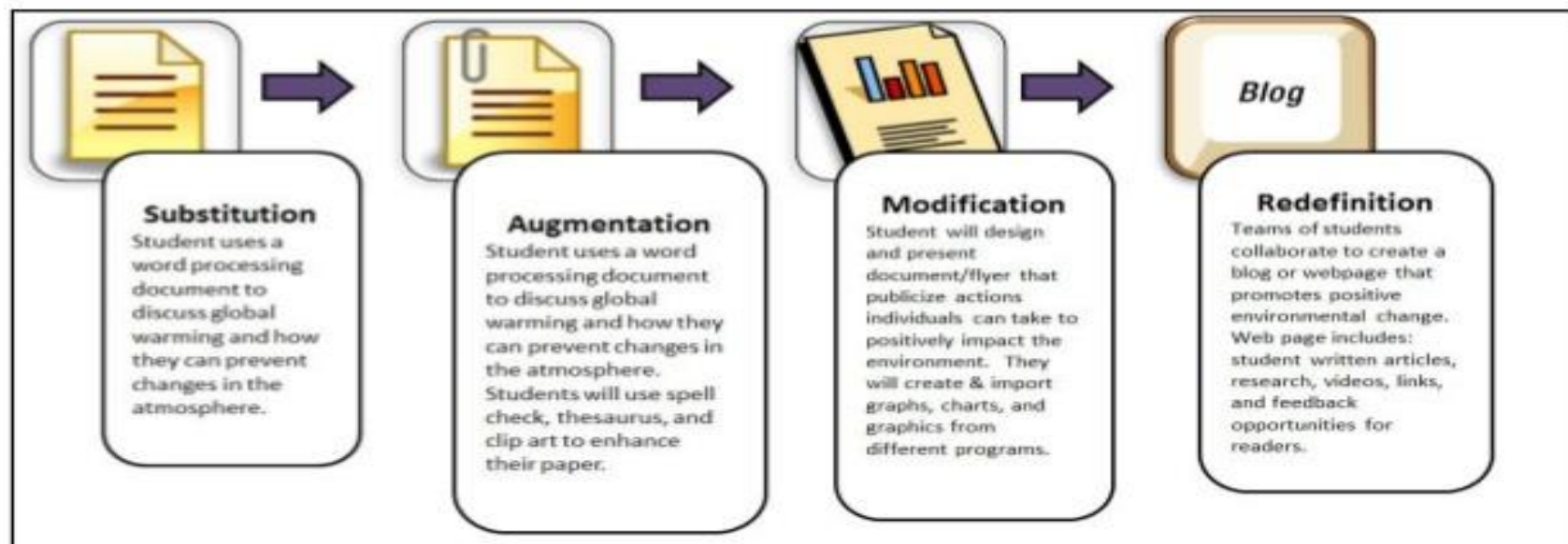
[return](#)

# Social Studies SAMR

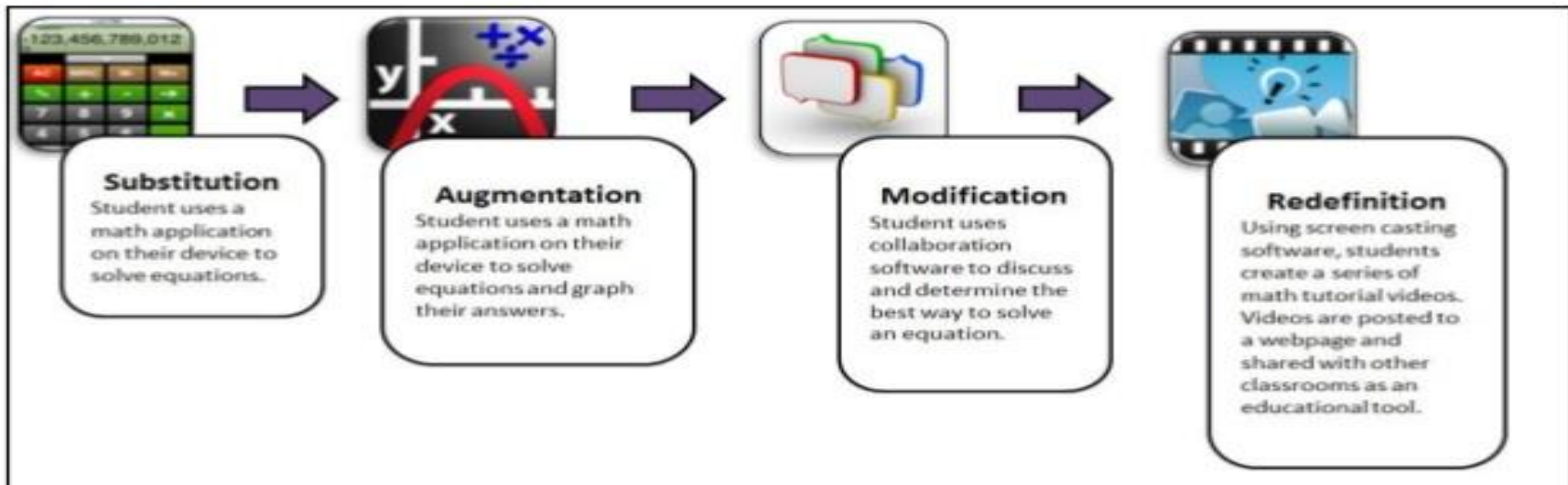
## Examples of Social Studies SAMR



# Examples of Science SAMR



# Examples of Math SAMR



# Note Taking



## SAMR Model



Class Task	Substitution	Augmentation	Modification	Redefinition
Note taking	Notes taken using ios Notes	Students choose their own notes app	All students use Notability for all notes	Teachers have access to all student's notes.
Research	Using safari to copy and paste information	Bookmark and share notes using the share button	Download and annotate with Notability	Collaborative Mindmaps
Presentation	Make a keynote presentation on the iPad	Demonstrate understanding with Explain Everything	Combine audio, video and text in Movie Presentation	Nearpod Presentation
File sharing	Sent by email every lesson	Shared Dropbox folder	Showbie	iTunes U
Reading	Open PDF from email	Use dictionary & search document	Annotating documents in Notability & iBooks	Interactive iBook
Assessment	Google form test	Google form test with automatic marking script	Creative projects with Strip Designer, Showme & iMovie	Creative Assignments with audio feedback in showbie