

Using Technology in the GED Classroom

2019 GED Annual Conference



WELCOME!

In this session, we will...

- Explore the instructional needs of different generations
- Explore apps and programs that engage students in active learning
- Explore resources for teachers to use to organize classes and instructional activities



What does Generation Have to Do with Learning

5 Generations – 5 Learning Needs



Traditionalists

Traditionalists are motivated by money, but also want to be respected.

Preferred recognition style: subtle, personalized recognition and feedback.
Welcomed benefits: long-term care insurance, catch-up retirement funding.



Baby Boomers

Baby Boomers prefer monetary rewards, but also value flexible retirement planning and peer recognition.

Preferred recognition style: acknowledgement of their input and expertise, prestigious job titles, parking places and office size are measures of success.
Welcomed benefits: 401(k) matching funds, sabbaticals, catch-up retirement funding.



Generation X

Generation X values bonuses and stock as monetary rewards and work-life flexibility as a non-monetary reward.

Preferred recognition style: informal, rapid and publicly communicated.
Welcomed benefits: telecommuting and tuition reimbursement.



Generation Y

Generation Y wants stock options as a monetary reward and value feedback as a non-monetary reward.

Preferred recognition style: regular, informal communication through computer or social networks.
Welcomed benefits: flexible schedules, continued learning.



Generation Z

Generation Z is more interested in social rewards (mentorship and constructive feedback) than money, but also is motivated by meaningful work and given responsibility.

Preferred recognition style: regular in-person public praise.
Welcomed benefits: online training and certification programs.

Our Students

<https://www.collegeboard.com/Career-Article/Generation-Names-101-fm>

Generation Name	Births Start	Births End	Youngest Age Today*	Oldest Age Today*
Baby Boomer Generation	1946	1964	55	73
Generation X (Baby Bust)	1965	1979	40	54
Xennials	1975	1985	34	44
Millennials	1980	1994	25	39
Generation Y, Gen Next	1980	1994	25	39
iGen / Gen Z	1995	2012		

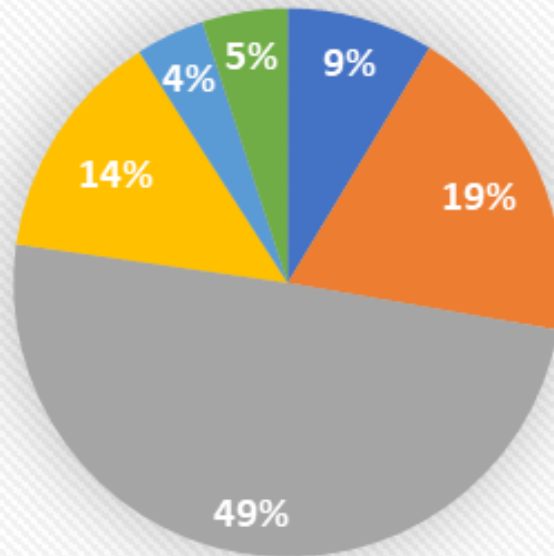
Xennials are considered a "swing" section or in-betweeners. In this case, they don't consider themselves true millennials and not GenXers.

National Report
National
7/1

Age Range	% of Total
16-18	8.6%
19-24	19%
25-44	49.5%
45-54	13.6%
55-59	4%
60+	5%
Total - 16-60+	

<https://www.collegeboard.com/about/offices/list/ovae/pi/AdultEd/sp/2017/nationalsummary.pdf>

NRS 2017 - Adult Education Participants - 1,427,339



■ 16-18 ■ 19-24 ■ 24-44 ■ 45-54 ■ 55-59 ■ 60+

	Traditionalists	Boomers	Gen X	Millennials	Gen Z
Preference	<ul style="list-style-type: none"> Like the “traditional” education structure Will not generally contradict or disagree with a facilitator in front of others Does not enjoy being singled out in group discussions or for questions Likes to practice alone, not in groups Not likely to ask questions during discussions 	<ul style="list-style-type: none"> Enjoy working in creative manner Sensitive to criticism Often possess significant professional experiences Require significant interaction and “talk” time Enjoy icebreaker and introduction activities Prefer a spirit of collegiality in meetings May have problems with authoritarian direction 	<ul style="list-style-type: none"> Self-reliant Require regular, if not constant, feedback May lack interpersonal skills Can be cynical Require relevance in assignments and courses Often impatient Consider themselves technologically capable Are adaptable and informal 	<ul style="list-style-type: none"> Accustomed to group work Comfortable with active learning Multi-task with ease Technological experts Goal and achievement oriented Require more structure and mentoring Learn from failure Motivated by money and earning potential 	<ul style="list-style-type: none"> Prefer self-directed and independent learning Value and use a steady stream of information View technology as a regular part of life, not as a tool Sitting and listening to a lecture is torture Prefer digital textbooks Learning must be interactive Want to choose what to learn and how they want to learn it

Age Group and Generational Characteristics

AGE GROUP and GENERATIONAL WORKPLACE CHARACTERISTICS

	TRADITIONALISTS 1925-1945	BABY BOOMERS 1946-1964	GENERATION X 1965-1980	GENERATION Y 1981-2000	GENERATION Z 2001-today
	MILLENNIALS				
Communications	Formal Memos and letters	In person Group discussions Telephone	Informal Direct and immediate Like being "in the loop" Technology literate E-mail & voice mail	Informal Simultaneous Open and social Smartphone text, email & voice mail Technology natives	Technology dependent and immersed
Learning and Training	Traditional classroom Experience	Traditional classroom Paper/Book based Experience	Group and independent study Book and computer-based Experience	Independent and social /Internet Computer/app-based Mentors Experience	Proactive Independent and social / Internet Computer/app-based Mentors and peers Experience
Feedback and Rewards	No news is good news Satisfaction in a job well done	Don't appreciate it More money Title recognition and respect	Sorry to interrupt, but how am I doing? Freedom is best reward Money enough + impatient	Instant gratification Attention that is documented and socially shared Vacation Meaningful work that makes a positive difference	Personalized/frequent Attention that is documented and socially shared Vacation Meaningful work that makes a positive difference
Messages that Motivate	Your experience is respected	You are valued You are needed	Do it your way Forget the rules if you find a better way	You will work with other bright, creative people	You will work with other bright, creative people
Work and Family Life	Conservative Separated	No balance Work to live, live to work	Balance / Integration to juggle it all Flexibility	Balance / Integration to live satisfied	Balance / Integration to live satisfied Work when and where is most productive

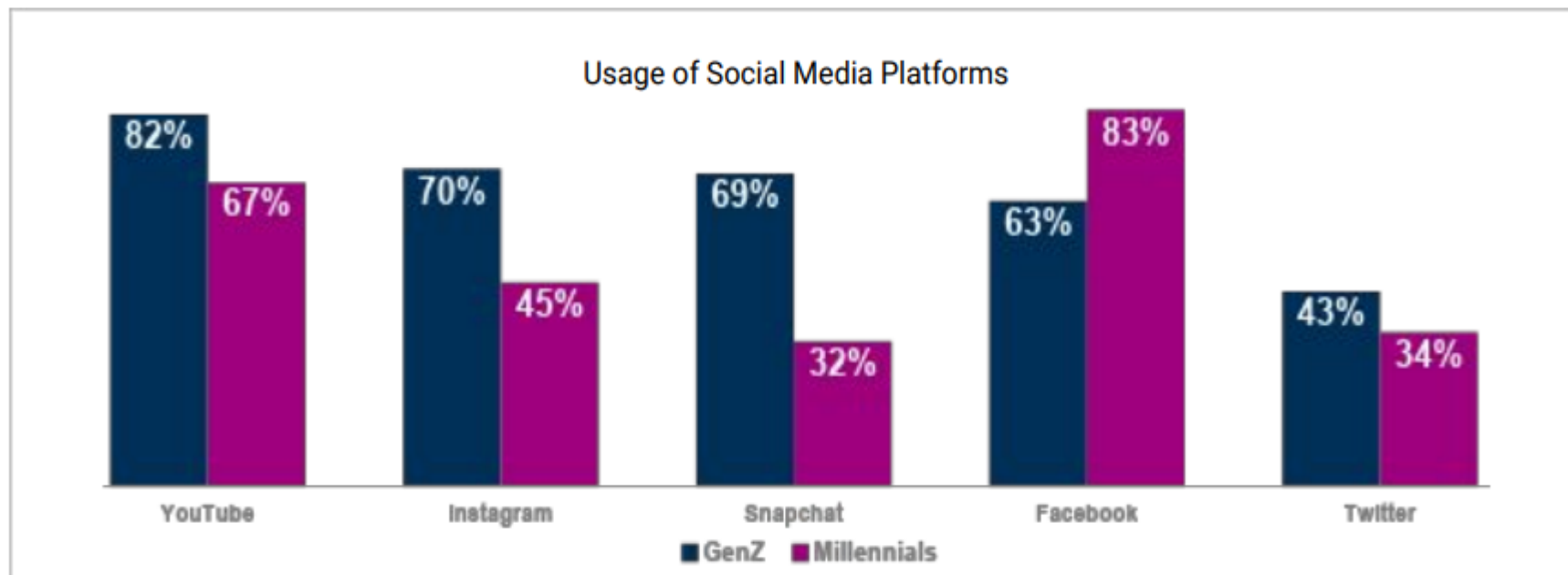
Research gathered in Fall 2017, by JUPER Communications, LLC

https://jupercommunications.com/wp-content/uploads/2018/02/TABLE_Age-and-Generation-Groups-in-the-Workplace.pdf

GenZ

GenZ demonstrates more current online behaviors

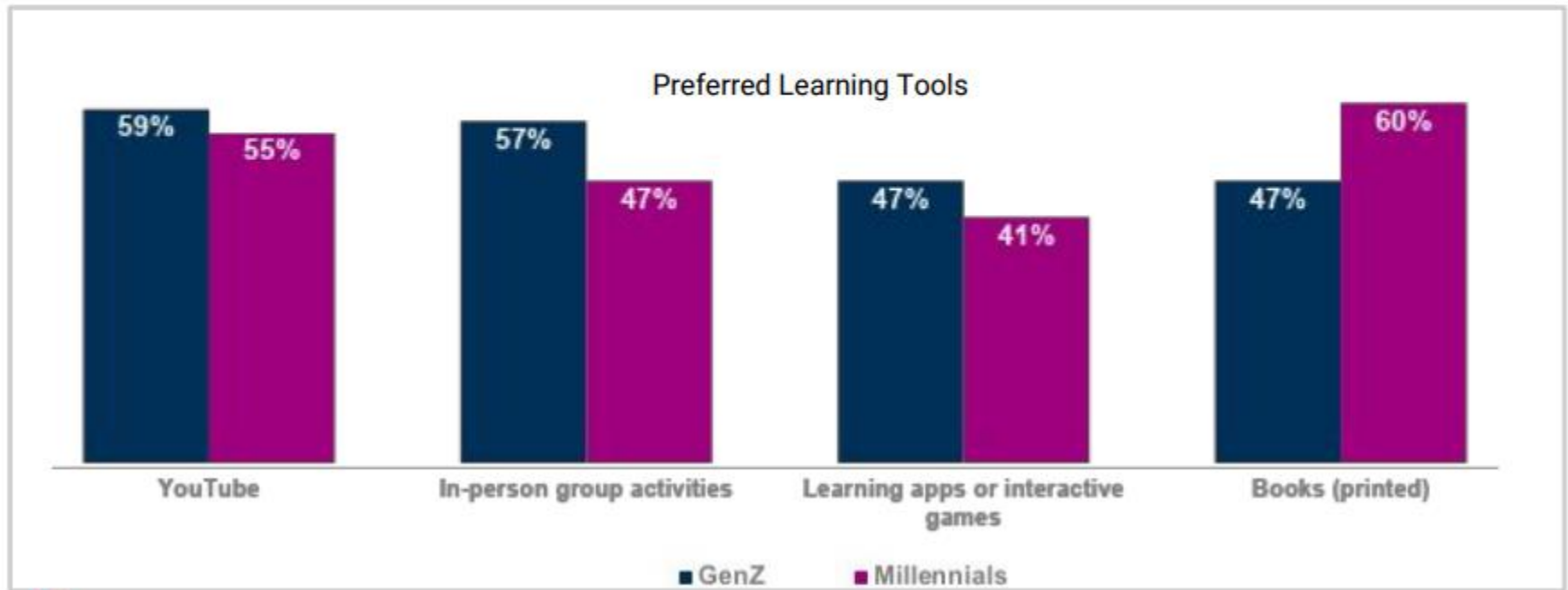
YouTube is king, especially among GenZ, who also use more modern versions of social media (Instagram and Snapchat vs. Facebook).



Learning

Preferences for YouTube, apps & videos translates to preferred ways of learning

GenZ is more likely to prefer YouTube or Apps to Millennials, who prefer printed books for learning.



Putting Smart Phones to Use in the Classroom

No need to ban the phone!



It's More than Just Texting



"Grandpa is showing us how they sent a text when he was a kid."

Mentimeter

Create interactive presentations

Build interactive presentations with our easy-to-use online editor. Add questions, polls, quizzes, slides, gifs and more to your presentation to create fun and engaging presentations.



Do you understand the purpose of today's workshop?

- Yes
- To some extent
- No

Submit answer

Share and analyze data

Your Mentimeter presentation is interactive and you can share and export your results for further analysis and even compare data across presentations to measure the progress of your audience.

Mentimeter

Create fun and interactive presentations

Mentimeter is an easy-to-use presentation software. With Mentimeter you can create fun and interactive lessons. Mentimeter helps make lessons and workshops innovative and memorable.



Education

Make your teaching more interactive by letting the students actively participate in lectures through using Mentimeter as a formative assessment tool.

[Learn more](#)



Workshop

Make your workshop fun, collaborative and interactive with Mentimeter, letting you save time for preparation as well as documentation.

[Learn more](#)

Time to Vote

Go to www.menti.com and use the code 52 76 85

 Mentimeter

What is the first word you think of when you hear, "it's time to integrate more technology in the classroom"?

 0

How could you use Mentimeter?

- Ask the “question of the day”
- Assess students understanding of a concept
- Provide the “word of the day” and have students give their first impression of what it means
- Post a cartoon and ask students to make inferences about it
- Ask students what they know about a given topic and post their remarks

Your Classes

Posts

Folders

Members

+ Create Small Group

Using Technology in the GED Classroom

Ms. Pittman | Professional Development · 6th Grade -10th Grade

More

Class Code y7969y

Note

Assignment

Quiz

Poll

Type your note here...

Show Formatting Options · Schedule Your Post

Using Technology in the GED Classroom



Cancel or Post

Upcoming

No classwork currently due.

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· Languages

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Start the conversation!

Discover how Class Discussions work by posting a quick message above. For example, you can welcome your students or ask a simple question.

Accessing Edmodo

- PC or Laptop
- Android or IOS
- Phone or Tablet



Using Technology in the GED Classroom with Ms. Pittman

I'm using **Edmodo** in class with students and to keep parents informed! I'll use it to share important updates, assignments, and more. It's free and it takes under a minute to sign up!

YOUR CODE
y7969y

Instructions for students and parents

1. Visit www.edmodo.com from your phone or computer.
2. Click on the "Join a group" button and enter the code, **y7969y**.
3. Follow the instructions to create an account and get started on Edmodo!












Phone or Tablet/iPad

2:23 PM Sun Jul 21 87%

Using Technology in the GED Classroom

[Add Resource](#)

	Moving from the Red Zone - Combined File.pdf	PDF	Modified July 21 2019
	Vocabulary - Practice Tests	Link	Modified July 21 2019
	PLD RLA - Level 2 - High School Equivalency.pdf	PDF	Modified July 21 2019
	PLD RLA - Level 1 - Below Passing.pdf	PDF	Modified July 21 2019

 Stream  Classes  Messages  Discover  Notifications

GED
TESTING SERVICE®

Your Classes

Posts

Folders

Members

+ Create Small Group

Using Technology in the GED Classroom

Ms. Pittman | Professional Development · 6th Grade -10th Grade

More

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...

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No classwork currently due.

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· Languages

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Filter posts by



Start the conversation!

Discover how Class Discussions work by posting a quick message above. For example, you can welcome your students or ask a simple question.

AAAKnow

- **Thousands of interactive arithmetic lessons.**
- **No cost or registration** required to practice your math on the AAAKnow.com web site.
- **Unlimited practice**
- **Wide range of lessons (K-8)**
- **Immediate feedback**
 - Prevents practicing and learning incorrect methods, which is a common result of traditional homework and worksheets.
 - Practice can continue if desired in a non-threatening format which helps build self-esteem and confidence.

Grades K-8

Math Topics

Contact

Sister Sites

NEW!! [Click Here to translate these Math lessons to over 100 languages.](#)

▶ Geometric Figures

▶ Geometric Calculations

▶ Perimeter and Circumference

▶ Area

▶ Surface Area

▶ Volume

▶ Integers

▶ Expressions, Equations and Inequalities

▶ Statistics

▶ Exponents

▶ Scientific Notation

EQUATIONS: LEARN

An *inequality* is very similar to an equation, but the answers form a range of numbers that could work to make the equation true.

For example, the inequality $x > 4$ would be true for all x values which are larger than 4, such as 4.1, 5, 10000, and so on.

Solving an inequality is just like solving an equation, except there is one extra rule to remember: if you multiply or divide by a negative number, switch the direction of the inequality.

Here is an example that shows how inequalities can be solved just like equations.

$$\begin{array}{r} 8x - 2 > 14 \\ +2 \quad +2 \\ \hline 8x > 16 \\ +8 \quad +8 \\ \hline x > 2 \end{array}$$

And here is an example regarding the extra rule about switching the direction of the inequality when you multiply/divide by a negative.

$$\begin{array}{r} -8x - 2 > 14 \\ +2 \quad +2 \\ \hline -8x > 16 \\ \div (-8) \quad \div (-8) \\ \hline x < 2 \end{array}$$

EQUATIONS: PRACTICE

Solve for x.

Start 00:29

Note: click the inequality button to toggle the direction of the inequality.

$$\text{If } -4x + 9 < 25,$$

then x

Check

0	1	2	3	4	5	6	7	8	9
\$.	:	+	-	*	/	Clear	Close	

Correct!

You have 1 correct and 0 incorrect.

English, Spanish, or...

ECUACIONES: LEARN

Una *desigualdad* es muy similar a una ecuación, pero las respuestas forman un rango de números que podrían funcionar para hacer verdadera la ecuación.

Por ejemplo, la desigualdad $x > 4$ sería cierto para todos los valores x que son mayores que 4, tales como 4,1, 5, 10 000, y así sucesivamente.

Resolver una desigualdad es igual que la solución de una ecuación, excepto que hay una regla adicional para recordar: si se multiplica o divide por un número negativo, cambia la dirección de la desigualdad.

He aquí un ejemplo que muestra cómo las desigualdades se pueden resolver como ecuaciones.

$$\begin{array}{r} 8X - 2 > 14 \\ +2 \quad +2 \\ \hline 8X > \text{dieciséis} \\ +8 \quad +8 \\ \hline X > 2 \end{array}$$

Y aquí es un ejemplo en cuanto a la regla adicional acerca de cambiar la dirección de la desigualdad cuando se multiplica / divide por un negativo.

$$\begin{array}{r} -8 X - 2 > 14 \\ +2 \quad 2 \\ \hline -8 X > \text{dieciséis} \\ + (-8) \quad + (-8) \\ \hline X < 2 \end{array}$$

ECUACIONES: PRÁCTICA

Solución para x.

comienzo 00:00

Nota: haga clic en el botón de la desigualdad para alternar la dirección de la desigualdad.

Si ,

entonces x

Presione el botón de inicio para comenzar

EQUATIONS: LEARN

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0	1	2	3	4	5	6	7	8	9
\$.	:	+	-	*	/	Clear	Close	

Correct!

You have 1 correct and 0 incorrect.

Google Earth



Interactive Learning

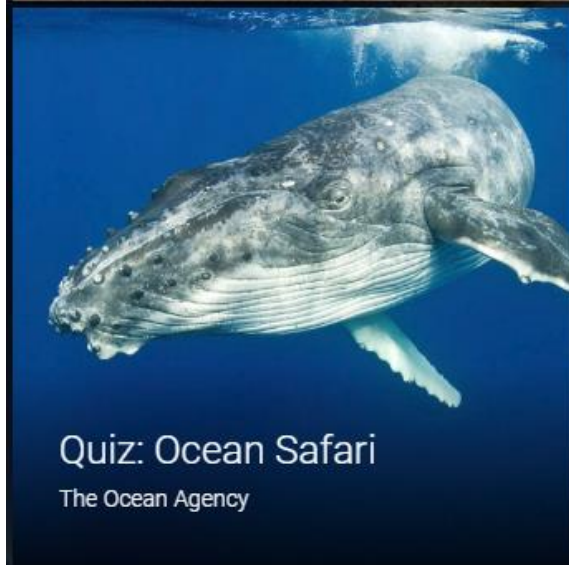


Quiz: Animals of the World



Quiz: Natural Wonders

Atlas Obscura



Quiz: Ocean Safari

The Ocean Agency



Quiz: World War II

Nature

10,000 Years of Volcanoes

Smithsonian Institution

Explore more than 1,400 volcanoes around the world from the Global Volcanism Program.

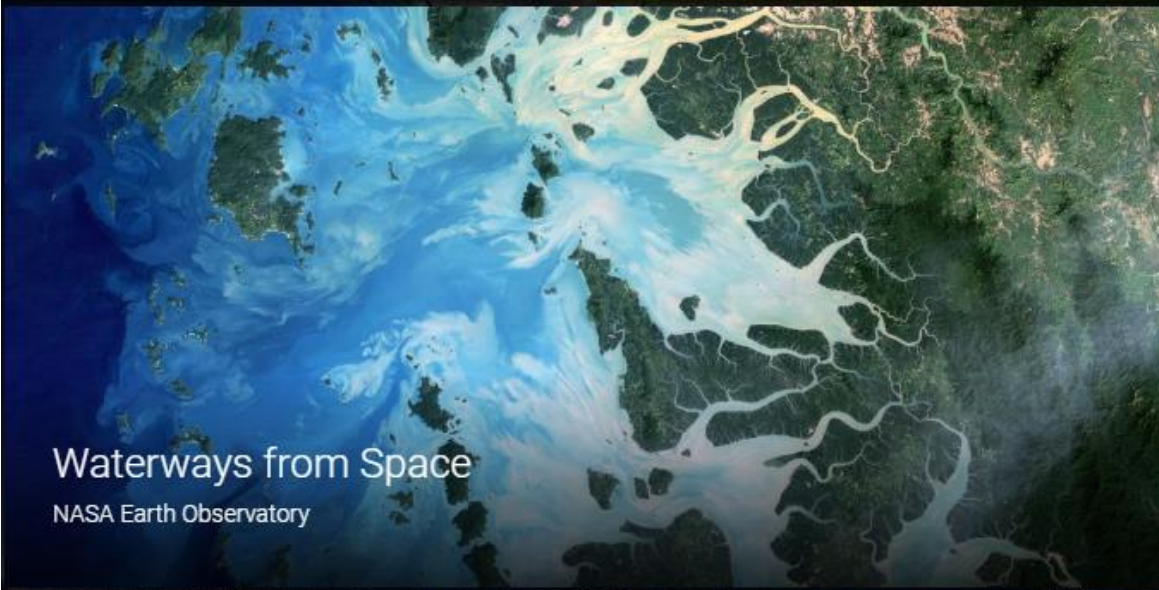


Quiz: Natural Wonders

Atlas Obscura

Waterways from Space

NASA Earth Observatory

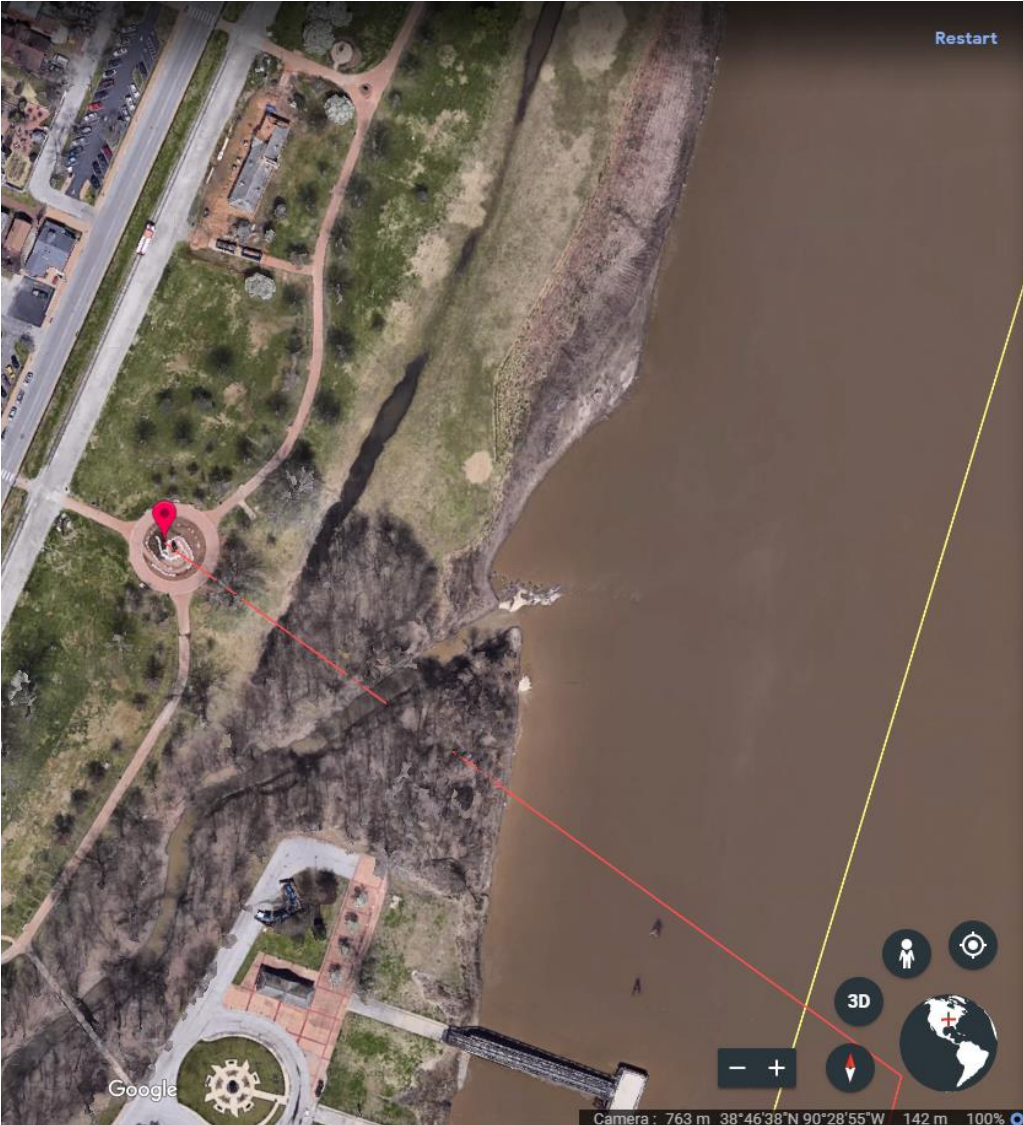


Tracking the Rain Bird


Nature Conservation Foundation



Education



Restart



St. Charles, MO
A Journey Calls

May 14, 1804

Who were Lewis and Clark? Watch the video to learn why these two brave men went on their historic 8000-mile journey, starting here in St. Charles, Missouri where a statue by Pat Kennedy commemorates their departure to explore and document the newly acquired Louisiana Territory.

- Outbound
- Homebound


3D

Google

Camera : 763 m 38°46'38"N 90°28'55"W 142 m 100%

PBS Education

1 / 12



Google Classroom

☰ GED PD

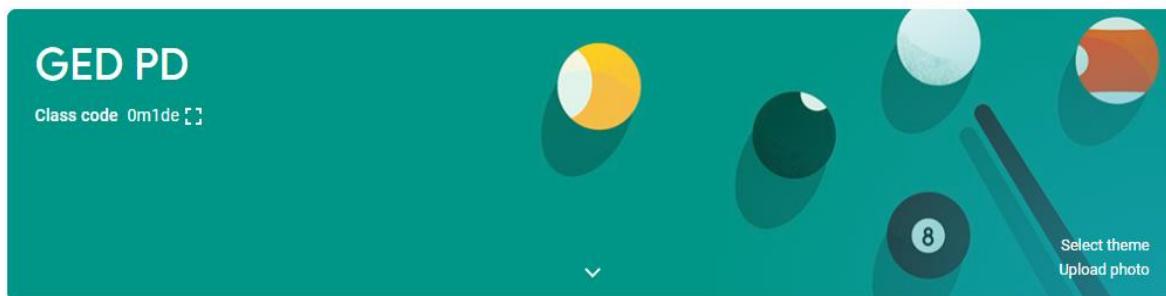
Stream

Classwork

People

Grades

GED PD
Class code 0m1de [🔗]















Select theme
Upload photo

Upcoming

No work due soon

[View all](#)

-  Share something with your class... 
-  **Susan Pittman posted a new assignment: Properties of Inequalities**
9:17 PM 
-  **Susan Pittman posted a new material: Properties of Inequalities**
9:05 PM 
-  **Susan Pittman posted a new assignment: Properties of Inequalities**
9:00 PM 
-  **Susan Pittman posted a new assignment: Quiz - Inequalities, Part 1**
8:18 PM (Edited 8:27 PM) 
-  **Susan Pittman posted a new assignment: Working with Inequalities, Part 1**
7:55 PM (Edited 8:30 PM) 

Assignments and Quizzes

Properties of Inequalities

Quizz

If you multiply or divide an inequality by a negative number, you must reverse the inequality sign.

10 points

True

False

In the following inequality, would you need to reverse the inequality sign to correctly solve the problem? $-3n > 12$

10 points

Choose ▾

What is the answer to the following inequality? $4 + x < 12$

10 points

$x > 8$

$x = 8$

$x < 8$

none of the above

Introduction and Basic Properties of Inequalities
Introduction and Basic Properties of Inequalities
An **inequality** is a statement that one mathematical expression is greater than, less than, or equal to another expression.

Properties of Inequality:

For real numbers a , b , and c ,

(1) If $a < b$, then $a + c < b + c$.

(2) If $a < b$ and if $c > 0$, then $ac < bc$.

(3) If $a < b$ and if $c < 0$, then $ac > bc$.

MORE VIDEOS

in this video we're gonna talk about inequalities and we're just gonna do an introduction

0:04 / 3:45

Quizlet

Quizlet is a mobile and web-based study application that allows students to study information via learning tools and games. It is currently used by two-thirds of high school students and half of university students in the United States.

Quizlet FAQs for students

1 What is Quizlet?

Quizlet provides free, powerful tools that help you **study more efficiently and effectively** – and improve your grades. With different activities, you can review at your own pace and in whatever way works best for you.

2 How do I get started?

First, go to quizlet.com and

[Sign up for free](#)

Tip: Sign up with  if you have Google Apps for Edu or Gmail.

Next, **join your teacher's class** by entering this link into the URL bar:

quizlet.com/join/ _____

Then click the **Join Class** button. You're now a member of this class!


Additional instructions for students: _____

3 What else can I do on Quizlet?

You can **review whatever you're learning** with different activities, from flashcards to practice tests to timed games, at school or at home:



You can **find existing sets** or **create your own** for any other subjects you're learning:

 Search

 Create



And **study on the go** with Quizlet's mobile apps, available for free on iOS and Android.

Quizlet (Fee-Based)

Quizlet Teacher

\$3/month (Billed at \$35.99 annually)

✓ You have this!



Track student progress

See how your students are studying on Quizlet



Create engaging content

Add custom images and recorded audio to make your material more fun and effective



Quizlet Live customizations

Create custom teams, play using diagrams, add audio and keep gameplay going continuously



Organize your classes

Create any groups you need with an unlimited number of classes



Advanced diagram creation

Add an unlimited number of locations to your diagrams and unlock custom shapes



Remove the ads

Help your students stay focused. There won't be ads on any content you create.



Offline access

Create and view sets anytime, anywhere with offline access on the Quizlet app



Night Theme

Make Quizlet easier on the eyes at night by shifting to a darker color scheme

Home

Premium Content NEW

Settings

Sets (2)

Folders (1)

RLA Practice

Create a folder

Classes (1)

HSE PD

Create a class

QUIZLET NEWS



Susan_Pittman8

TEACHER

Susan Pittman



Recent

Created (2)

Folders (1)

Classes (1)

A FEW SECONDS AGO



12 Terms

Subject Verb Agreement 2

A FEW MINUTES AGO

55 Terms

Subject-verb agreement rules

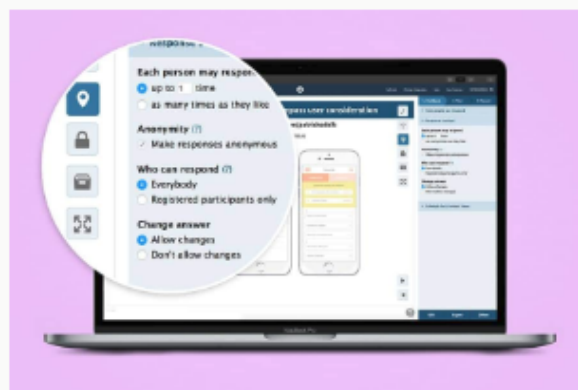
Poll Everywhere

Flexible at every step



Creating questions for live interaction

Choose from a large variety of poll activities, including multiple choice, open response, live word clouds, clickable images, up- and down-voting for Q&A, and rank order. Questions can be written in almost any language, and can include images, LaTeX syntax (for formulas), and emojis.



Inviting the audience to respond

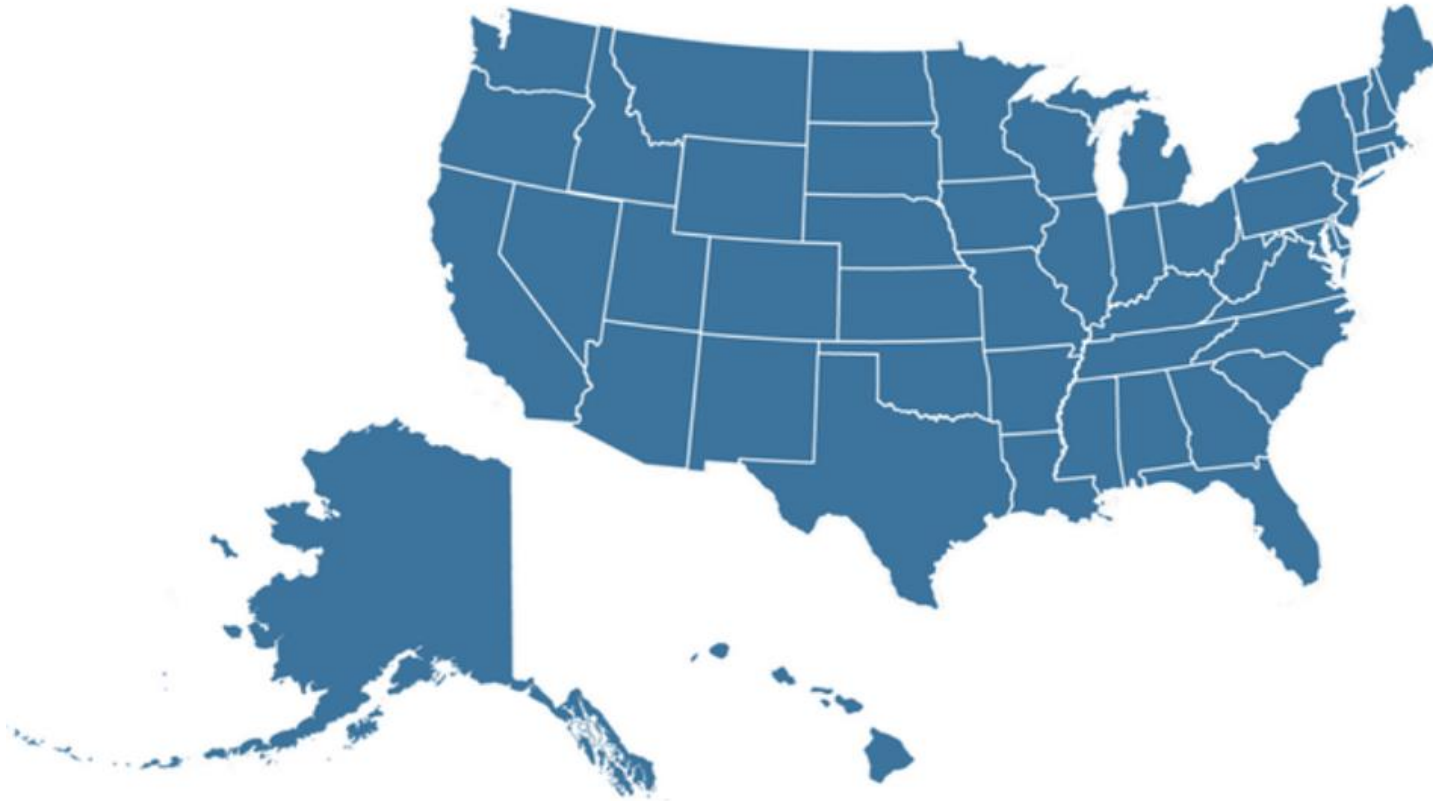
Participants can respond using any device. They can go to a customizable web address or send a text message to participate. As the presenter, you control when responses are displayed on-screen – and if you have the premium moderation feature, you control which responses are displayed, too. Poll Everywhere supports international use with response instructions in 30 languages, along with international texting numbers.



Viewing the results

Customize the look and feel of the live chart with color, font, and image options. You can display live results from any web browser, or embed the live chart in your PowerPoint, Keynote, or Google Slides deck.

What's Your State?



Start the presentation to see live content. Still no live content? Install the app or get help at PollEv.com/app

What is the greatest challenge you have to integrating technology in the classroom?

What is one new thing that you hope to learn at this conference?

Top



Tuesdays for Teachers

When survey is active, respond at PollEv.com/susanpittman814

0 surveys done

 0 surveys underway

Start the presentation to see live content. Still no live content? Install the app or get help at PollEv.com/app

Q & A



Thank you!

*Communicate with GED Testing Service®
communications@ged.com*

