

Google Apps in Classrooms and Schools

32 Ways to Use Google Apps

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Objective



 Be able to implement Google Apps in meaningful ways in your classrooms to increase efficiency, collaboration and engagement



Before Getting Started.....



Access the presentation: http://bit.ly/hby9j0

Tools for Teachers and Students





GMail Huge inbox with search: keep and find everything.



Talk IM and Video as easy as email.



Groups Let students easily create and work in teams.



Calendar Make sharing calendars and schedules easy.



Docs Makes collaborating as easy as creating.



Sites Allow students and teachers to manage their own sites.



Video Using the power of video to teach.



Postini Security and compliance solutions.

Google Docs

Word Processing, Spreadsheets, Presentations

Esteemed Teachers; Fellow election.

Ideas:

Our football team nee

#1: Collaborative Lesson Planning



Sherlock Holmes Loves Words

Subject: Reading

Topic: context clues

Grade Level: 3rd-5th

Duration of Lesson: 30-35 minutes

Description and Rationale of group:.

Lesson Goal: standard language varies by state.

Objective: SWBAT compare and contrast their ability to determine the meaning of unknown words by using specific strategies vs. not using them.

Assessment: oral assessment, mini-quizz.

Materials:

Vocabulary: context clues, Latin and Greek roots, mystery

Instructional Plan

Motivation/hook: TW will put sealed envelope to his head and ask students if they can guess what the word is hiding inside the envelope. Students may guess but obviously will be way off. Before lesson TW will have put notecards on 5 students' desks face down (a number 1-5 will be face up). One by one students will read word or phrase that will help students guess the word in the envelope. When they do, TW point out that we used a strategy to determine something unknown.

New information: Then. Mr. DeSobe will teach students that we need to use



Work on the same lesson plan at the same time with a colleague using Google Docs.

Example: http://bit.ly/el4rRa



#2: Staff/Grade Level Meeting Notes





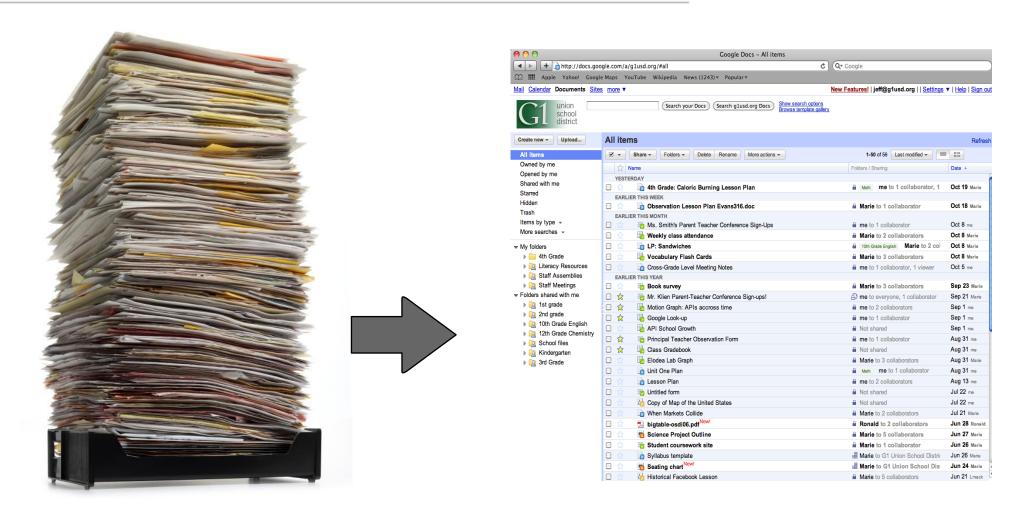
Picture by K.W. Barrett

Take your staff meeting notes in Google Docs.
Share with the rest of the staff.



#3: Shared Lesson Repository





Store your lesson plans in your school's shared Doc list so that anyone at your school can find and access them. Create a folder for your grade level to share





#4: Improve the Writing Process



Use Google Docs to:

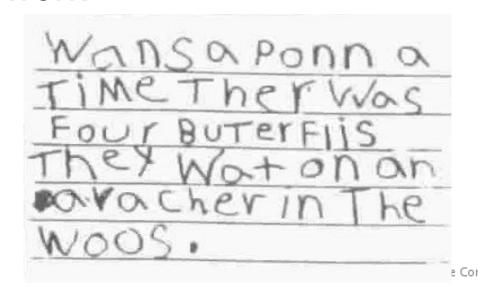
- Have students work collaboratively from anywhere
- Give students ongoing and simultaneous feedback
- Use revision history to hold students accountable for their work
- Publish student work

Example:

http://bit.ly/hAGGqD

Case Study:

http://bit.ly/hrZVBk





#5: Reading Response Journals

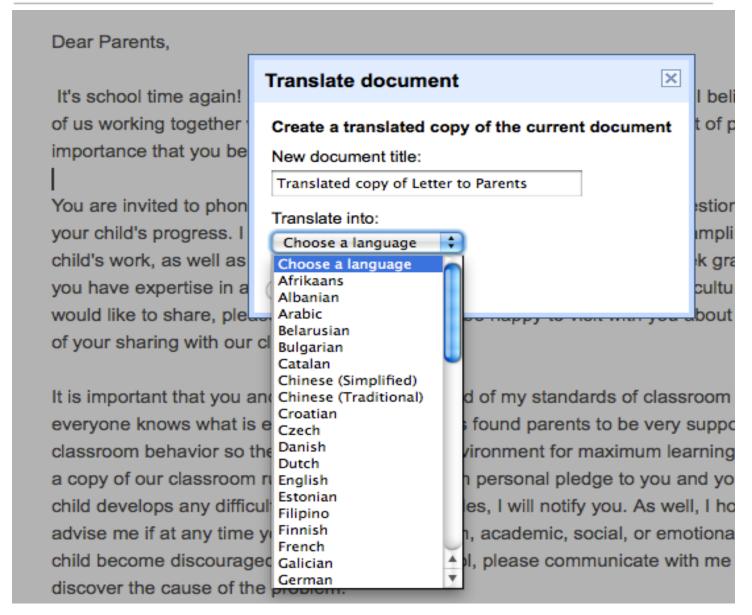




Instead of lugging home 30 reading response journals every week to comment on, have students keep their journals in a shared Google Doc. You can give your comments while students continue to write in their journals!

#6. Translate Letters Home for Parents





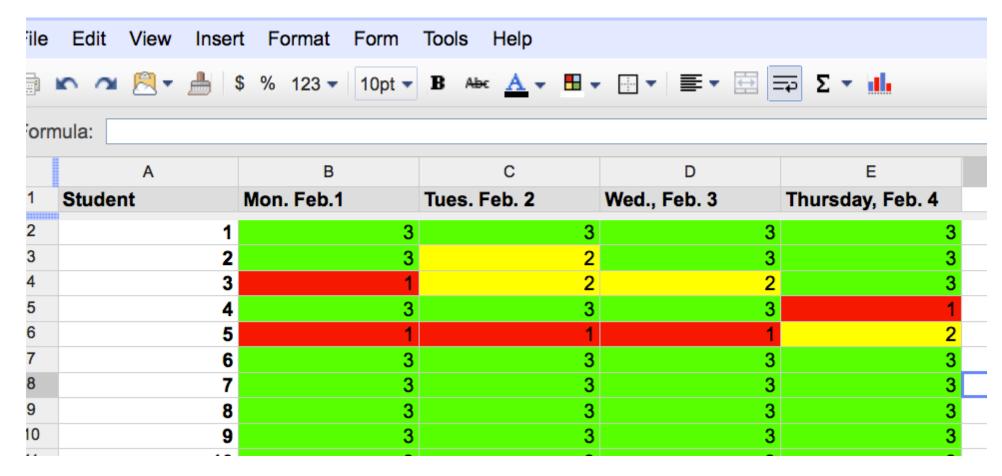
Translate letters home to parents by using the translate feature in Google Docs.

Example: http://bit.ly/g2Jl5G





#7. Track Student Homework (and Share with Parents)



Example: http://bit.ly/geNsQx

Use spreadsheets to track student homework. Give each student a anonymous number and share the sheet with parents

Intermediate Application

#8: Sign-up Sheets



Date	Time	Parent's Name	Student's Name	Email Address	Phone
Tuesday, Oct. 2	1pm	Becky Coleman	Susie Coleman	Becky@gmail.com	202- 9
Tuesday, Oct. 2	2pm				
Tuesday, Oct. 2	3pm				
Tuesday, Oct. 2	4pm	<u> </u>			
Tuesday, Oct. 2	5pm				
Tuesday, Oct. 2	6pm				
Tuesday, Oct. 2	7pm				
Wednesday, Oct. 3	1pm				
W	0				

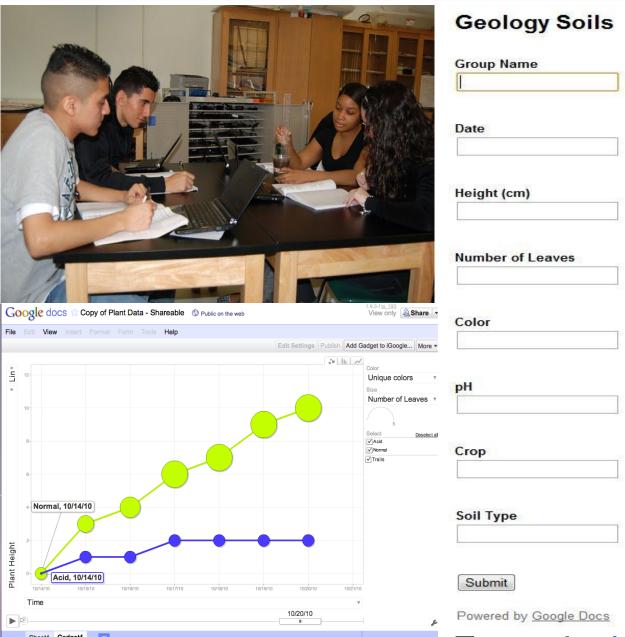
Example: http://bit.ly/hvxANq

Use spreadsheets to make scheduling parent-teacher conferences really easy.



#9: Science Experiments





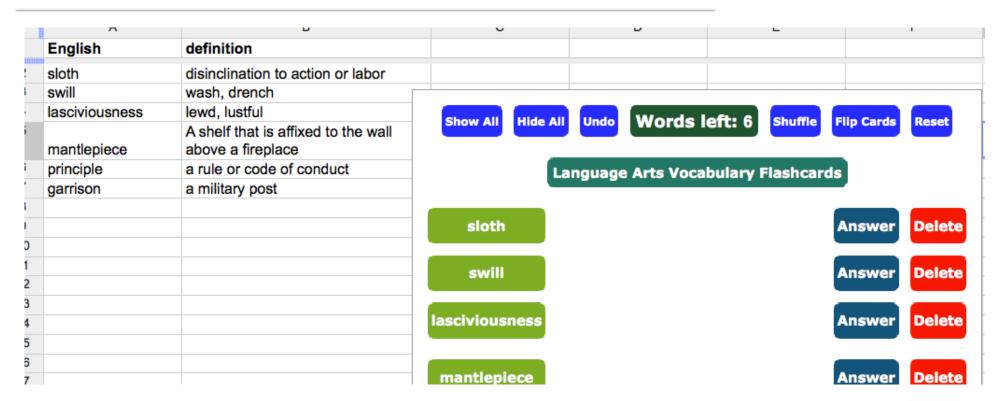
Use Google forms and spreadsheet to:

- Collect data
- Share data
- Analyze data
- Graph data

Example: http://bit.ly/dQLtt6







Example: http://bit.ly/hsdpyj

Use the flash card gadget in spreadsheets to set up a flash card center for your class.



Try it!



Beginner: Share a document with a colleague

Intermediate: Analyze the revision history of a document

Advanced: Create a motion chart

Demo Account Information:

URL: www.google.com/a/g1usd.org/

Name: demo1@g1usd.org

Password: googleapps



Want to learn more?



Google Apps for Education Online Training Center, Module 4: Docs: http://edutraining.googleapps.com/Training-Home/module-4-docs

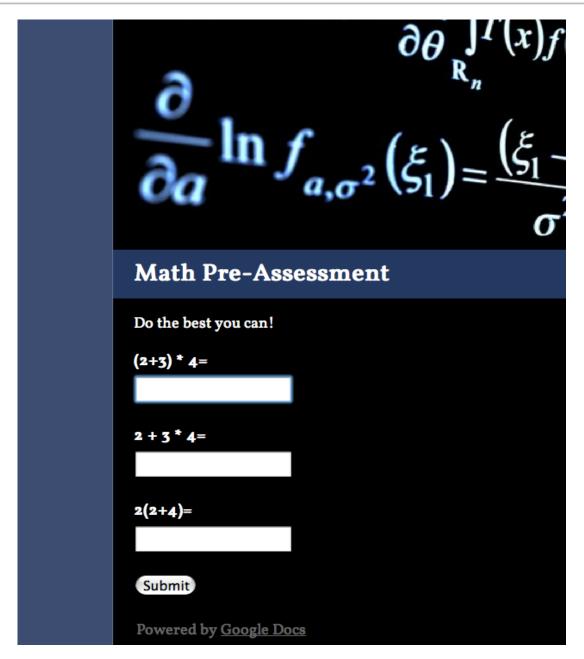


Forms

Go to: http://http://bit. ly/p8naXQ







Use Google Forms to give your students a preassessment at the beginning of class. Modify your instruction based on the results. Then give students an "exit ticket" at the end of class to see what they learned.

Tip! Change the template to make the form more exciting

Google Confidentia

Example: http://bit.ly/eV5K22

#12: Survey Students: Collect Student Interest Information



Welcome to Mr. Brin's Class Complete the survey by Friday. This is a fun way for us to learn more about each other!	
What did you do this summer? © Summer School	
Camp Work Hung out with friends Other:	
What are your three biggest strengths?	
What are you most excited about learning this year?	
Powered by <u>Google Docs</u> Report Abuse - <u>Terms of Service</u> - <u>Additional Terms</u>	

Use Forms to collect survey students. Survey students at the beginning of the year to find out about their interests.



#13: Teacher or Student Observations



Principal Teacher Observation Form

Teache	r's N	lame]		
Teache		-				es leson objective and purp	os
	1	2	3	4	5		
Novice	\odot	Θ	0	Θ	0	Exemplary	
The les		-		is s 4		ards aligned and rigorous	
Novice	0	0	0	0	0	Exemplary	
The les	son	has	an ei	ngag	ing	hook/opening	
	1	2	3	4	5		

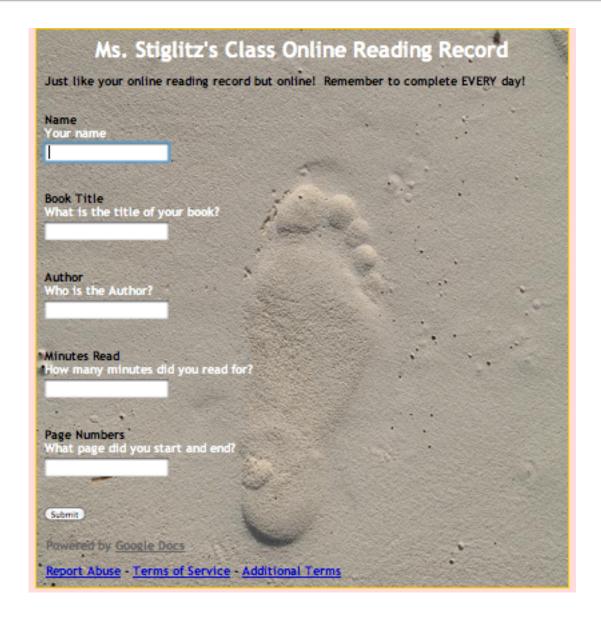
Use forms on your smart phone or tablet to do teacher or student observations. The data will be automatically populated into a spreadsheet.

	1	2	3	4	5	
Novice	0	0	0	0	0	Exemplary







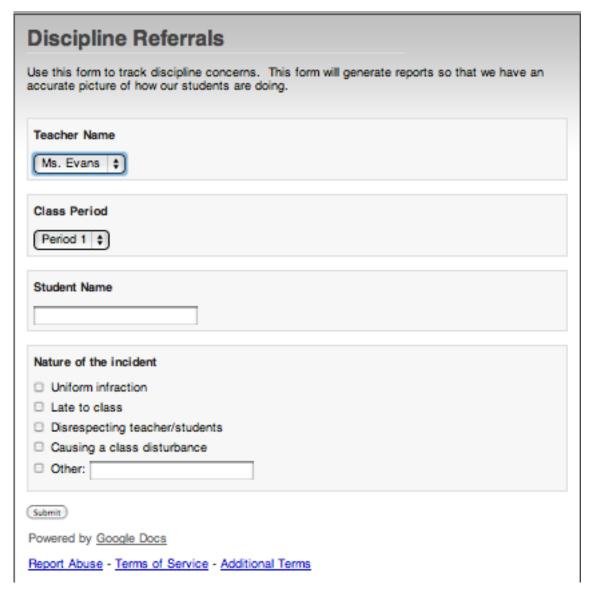


Have students complete their reading record online line through a Google Form.









Keep track of discipline referrals across a school using Google forms.







#16: Collect Information from Parents or Teachers

#17: Spelling Tests/ Multiplication Tests (Bonus! Write a formula to grade the tests)

#18: Collecting Science Data

Question Title	Sample Question 1	
Help Text		
Question Type	Text ‡	
Their answer		
Done		





Beginner: Create a form and change the template

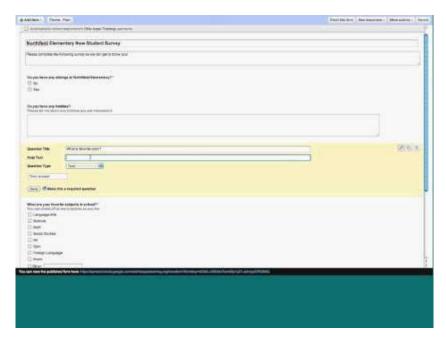
Intermediate: Graph the results of the form data

Advanced: Create a formula to grade your spelling test

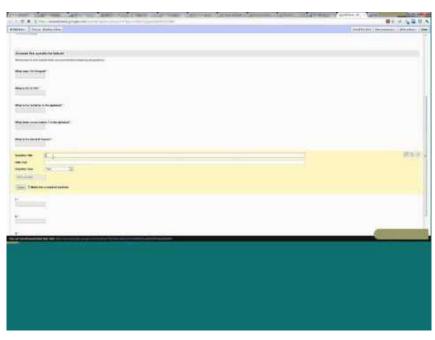
Have more ideas? Add them to the Moderator! http://goo.gl/mod/oWUK

Want to learn more?





Introduction to Google Forms Webinar



Google Confidentia

Advanced Forms Webinar

Google Apps for Education Training Center, Chapter 6:

Forms: http://edutraining.googleapps.com/Training-

Home/module-4-docs/chapter-6

Google Calendar



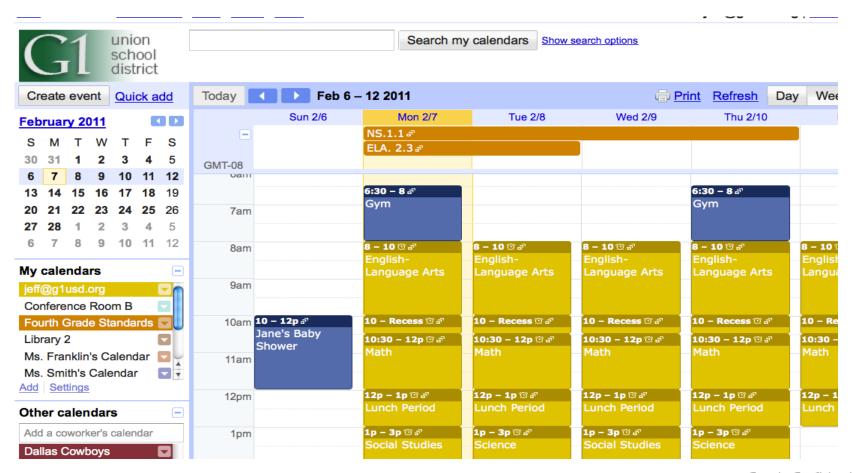


#19: Shared Calendars (School, Grade Level, Team)

#20: Checking-out Resources (Laptop Carts, Library)

#21: Standards Mapping

#22: Pacing Guides



Try it!



Beginner: Create a calendar event

Intermediate: Invite others to your event

Advanced: Create a grade level calendar. Send out a weekly meeting invite and grade level notes. OR Try out a lab feature.

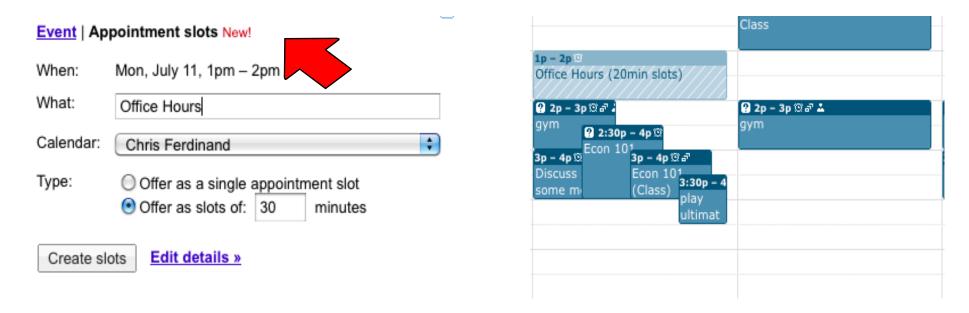
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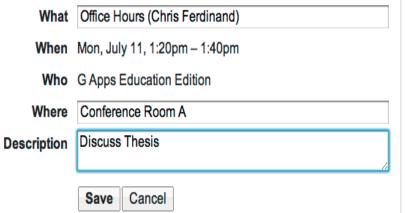
#19: Use Appointment Slots for Office Hours

Book an appointment



What Office L

Instructions here!





Want more?



Google Apps for Education Training Center, Module 3: Calendar: http://edutraining.googleapps.com/Training-Home/module-3-calendar



Gmail

#23: Communication with Parent including in Different



Languages



Turn on the translate feature in Gmail labs to communicate with parents in different languages







Give students pen pals in another state or country. With Google translate it's OK if they don't speak the same language!



Beginner, Intermediate and Advanced: Enable a new lab feature

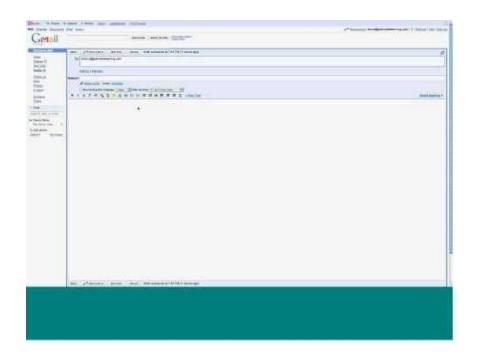
Have more ideas? Add them to the Moderator! http://goo.gl/mod/oWUK



Want to learn more?



Google Conf

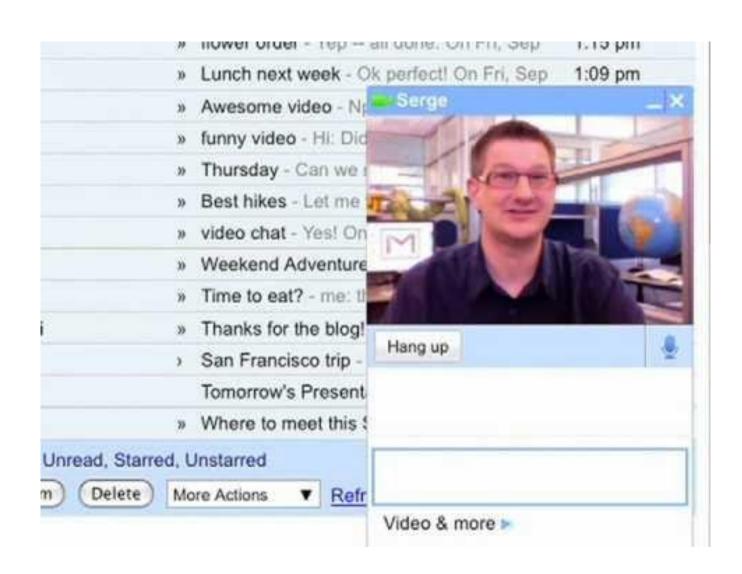


Google Apps for Education Training Center, Module 2: Calendar: http://edutraining.googleapps.com/Training-Home/module-2-mail

Talk



#25: Invite a Guest Lecturer into Your Classroom



Invite a Googler into your class to do a guest lecture through Video Chat on the importance science. Or invite a grandparent who lives in a another state to read to the class during story time.



#26: Hold Office Hours over Chat...even on snow

days!





http://www.independent.ie/national-news/teacher-beats-cold-spell-by-taking-classes-online-2450487.

Try it!



Beginner, Intermediate and Advanced: Video chat with someone in the classroom (http://bit.ly/hxPvuj)

Have more ideas? Add them to the Moderator! http://goo.gl/mod/oWUK



Want to learn more?



Google Apps for Education Training Center, Chapter 8: http://edutraining.googleapps.com/Training-
Home/module-2-mail/chapter-8



Sites

#27: Classroom and School Websites





Ms. Schroeder's Classroom

Navigation

Welcome!

Newsletter

Photos

Student Links

Parent Links

Homework Updates

Student Work

√ideos

Photo Story Projects

Creating a Google Account

Sign Up Information

November Conferences

Parent Information

635
days since

Last Day of School

Welcome!

RSS for this site



Welcome to Ms. Schroeder's 5th Grade Webpage!

Take some time to look around at the links on the left side of the site.

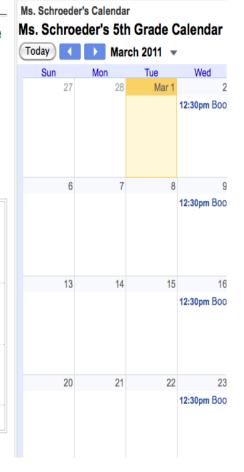
Homework Updates

<u>February 3, 2009</u> Math: Test on Friday Social Studies: 50 notecards due for research paper Reading: Book Report due on February 12 Writing: Journal due on Feb. 7th
Posted Feb 3, 2009 8:49 AM by Molly Schroeder

<u>Tuesday, January 24, 2009</u> Math: Study Link 7.4Reading: Read 20 minutesSocial Studies: Journal of Christopher Columbus Due Wednesday
Posted Jan 23, 2009 9:56 AM by Molly Schroeder

Monday January 23, 2009 Math: Study Link 7.3Reading: Read 20 minutesSocial Studies: Journal of Christopher Columbus due WednesdaySpelling Post test on Friday Posted Jan 23, 2009 9:01 AM by Molly Schroeder

Showing posts 1 - 3 of 3. View more »



Create a site for your class. Embed a class calendar, videos, and presentations.

Examples:

5th Grade Class Site
US History Class Site
School Website



#28: Student ePortfolios



Welcome iMovie Philosophy of Education About Jenna My Blog
Professional Experience Resume Personal Experiences

Jenna White



Welcome to my ePortfolio!

As Eleanor Roosevelt once said, "One thing life has taught me, if you are interested, you never have to look for new interests. They come to you. If you are genuinely interested in one thing, it always leads to something else"

This ePortfolio is a small snapshot of where I've been, where I'm going, and what I have learned along the way.

Jenna M. White Clemson University 2010 Use sties to create student ePortfolios. student work and pass it on from year to year.

Example:

Clemson University ePortfolios











Project Summary

According to Veterans Affairs staff, up to 50% of a nurse's day is spent transporting patient care items. To aid nurses, fully autonomous robotic transporters driven by Artificial Intelligence (AI) could access the entire hospital and make simple deliveries for nurses, giving them more time to deliver patient care.

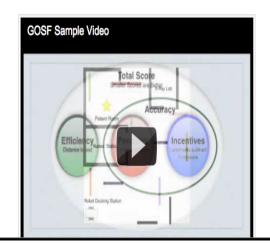
I researched current AI pathfinding methodologies and found that the leading pathfinding algorithm, A*, doesn't utilize re-alignment opportunities needed in a hospital setting where a robot is more likely to go off course. I wondered... can current AI pathfinding methodology that is used for autonomous robots be improved to increase the accuracy of the robot reaching its destination?

I developed a pathfinding algorithm to create paths that maneuver the transporter around known obstacles, while considering accuracy and efficiency. I then tested the accuracy of the resulting paths of A* and my algorithm by measuring the accumulated variance of the robot's ending position from its target destination in feet. I used the following experimental variables:

Independent Variables: Path plotted by the Al algorithms used Control group: A-star algorithm Experimental group: Accuracy/efficiency balancing algorithm

Dependent Variable: Accumulated variance of the robot's ending position from its target destination measured in feet.

I plotted and measured the results from my experiment and found that if If the robot's algorithm is modified to incorporate aspects of its surrounding environment to correct its course, then the variance of the ending position of the robot from its target destination will be reduced by 36.5%.

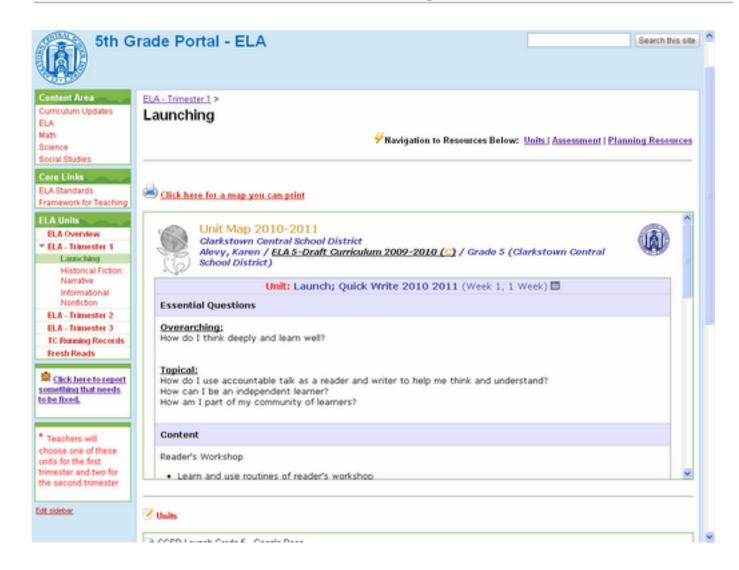


Have students do projects or create reports using sites. You could also have them do their submission for the Global Google Science Fair! More info on that here.







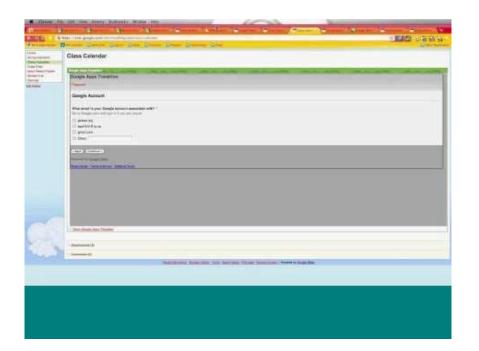


Create and share curriculum at your school or district.



Want more?







Google Co

Google Apps for Education Training Center: http://edutraining.googleapps.com/Training-Home/module-5-sites



Class, Department, or Committee Groups

Use **Groups** for discussion or announcement lists for classes, departments, or committees. Post messages on the group page and view archive of older discussions.





Beyond the Core Suite...

Blogger, Voice, and Reader

#31: Run your Class Through Blogger





MONDAY, FEBRUARY 28, 2011

Day 16: The Lord-Vassal System in Medieval Japan (3/1/11)



Aim: The historians of 2016 will summarize and present the social class systems from four or more medieval empires, including the Empire of Japan.

Step one: Submit your homework. Make a copy of the March Task Tracker and rename it with your first name and last initial in the parenthesis.

Step two: Fill out this e-mail form to help set us up for today's activity. Open your e-mail so you are 100% sure you're entering your e-mail address correctly. Go here when you are ready to get your teammates e-mail address to add for the project.

LINKS TO IMPORTANT SITES

- · Class Homepage
- 7th Grade Homework Calendar
- 2016 FSA Data
- Black History Month Jeopardy! Challenge

PAST LESSONS

Past Lessons 💠

MEDIEVAL MAPS (MAP PROJECT DUE FRIDAY FEBRUARY 25)

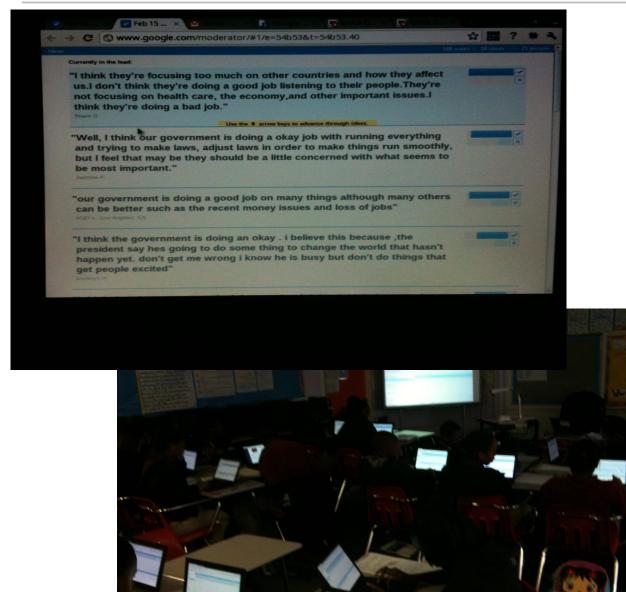
- · The Tang Dynasty
- Feudal Europe Map
- The Byzantine Empire
- Roman Empire
- Spread of Islam
- Empire of Mali
- Empire of Ghana

Use Blogger to structure and run your lessons. Students can access their "Do Now," independent practice, and exit slip through the blog entry. Works best with 1:1 programs.

Example



#32: Extend classroom discussions using Moderator

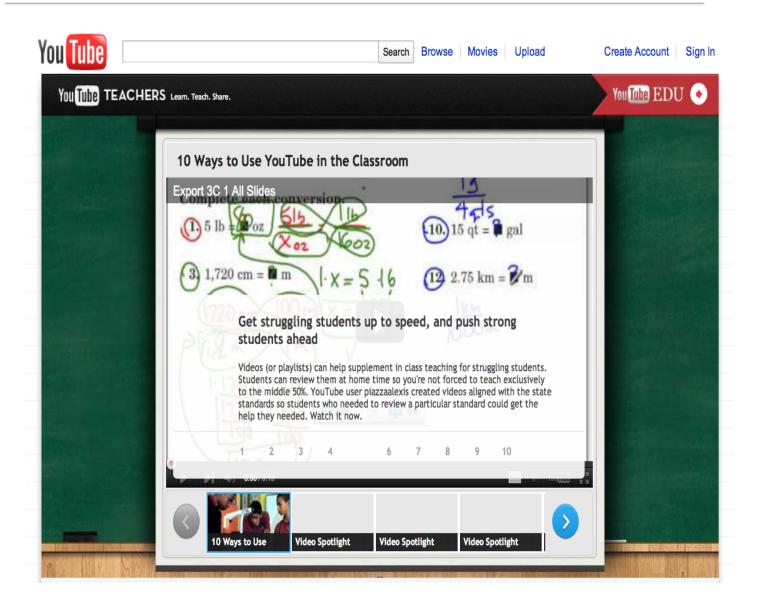


Have students reflect on their daily learning through Google Moderator. Students can read each other's reflections and vote up the responses that they like the best. Classroom discussion will be extended beyond the walls of the classroom!

Have more ideas? Add them to the Moderator!nfhttp://bitprietary ly/beyond32

YouTube.com/teachers





Use **YouTube** to share video demonstrations, content-approved films, or have students post own videos for projects. You can also record lectures to share with classes.



Go Google!: http://www.google.com/a/help/intl/en/edu/

Questions

Have more ideas? Add them to the Moderator! http://bit.ly/beyond32