



Technology in the Classroom

Presented by Jim Dolan

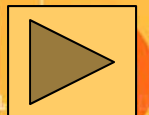
Jim Dolan

Montgomery Township Schools, NJ

jdolan@mtsd.us

Presentation materials available at:

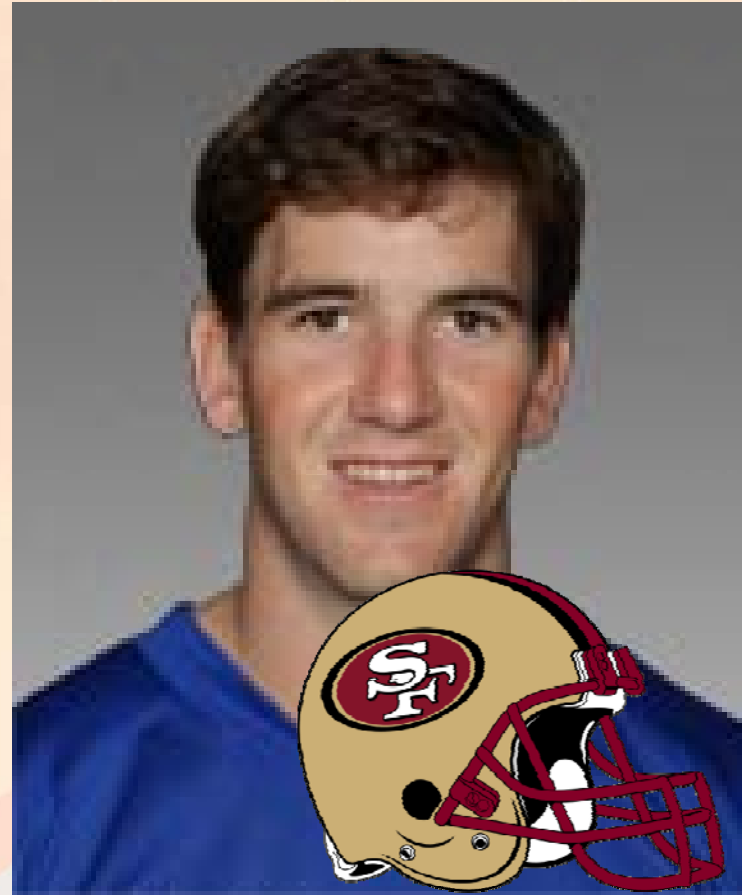
www.mtsd.k12.nj.us/integration



Evaluation



Jim Dolan



Eli Manning



101001010100111101 111010010 110101010111010000101010011001

Technology in the Classroom

- **Discover how to use technology in the classroom**
- **Capture the features that can enhance learning and your teaching**
- **Embed these strategies into your lessons to help students be more engaged and take more responsibility for their achievement**

Technology Integration

Things you can use now

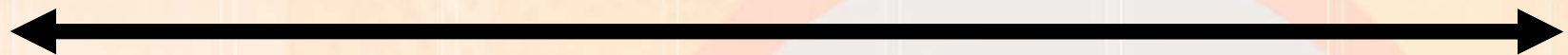
Things you can use later

Things to consider for the future

Teacher Productivity

Student Productivity

Many of the practices can be used across disciplines



Simple

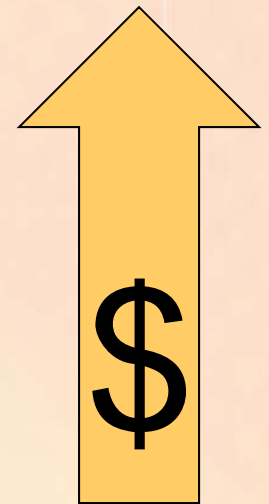
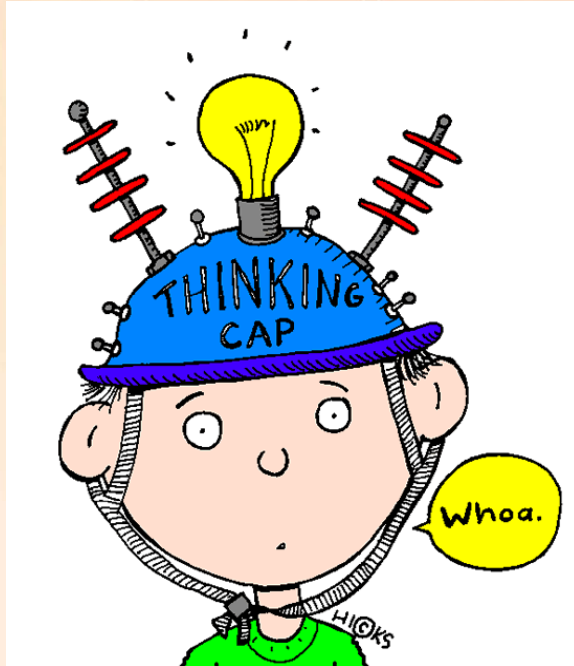
Challenging
More Practice



Think before we jump into Technology

Consider **Why? Goals/Objectives**

Consider our **Students**



**Our students have changed
radically**

**Students are no longer the people
our educational system was
designed to teach**



101001010100111101000010010111101001011010101011101000010001010011001

Today's students represent the first generation to grow up with this new technology



101001010100111101000010010111010010110101010111010000100010001001

They have spent their entire lives surrounded by and using

- Computers
- Videogames
- Digital music players
- Web cams
- Cell phones
- And all the other toys of the digital age



The Average Teen.....

- Spends 40 hours a week using digital devices
- Spends 31 hours online
- Sends/Receives 3339 texts
- Girls Send/Receive over 4000!



1010010101001111010000100101110100101101010101011101000010101010011001

College grads have spent less than 5,000 hours reading

But over 10,000 hours playing video games (not to mention 20,000 hours watching TV).



Computer games, email, the Internet, cell phones and instant messaging are integral parts of their lives.

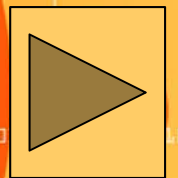
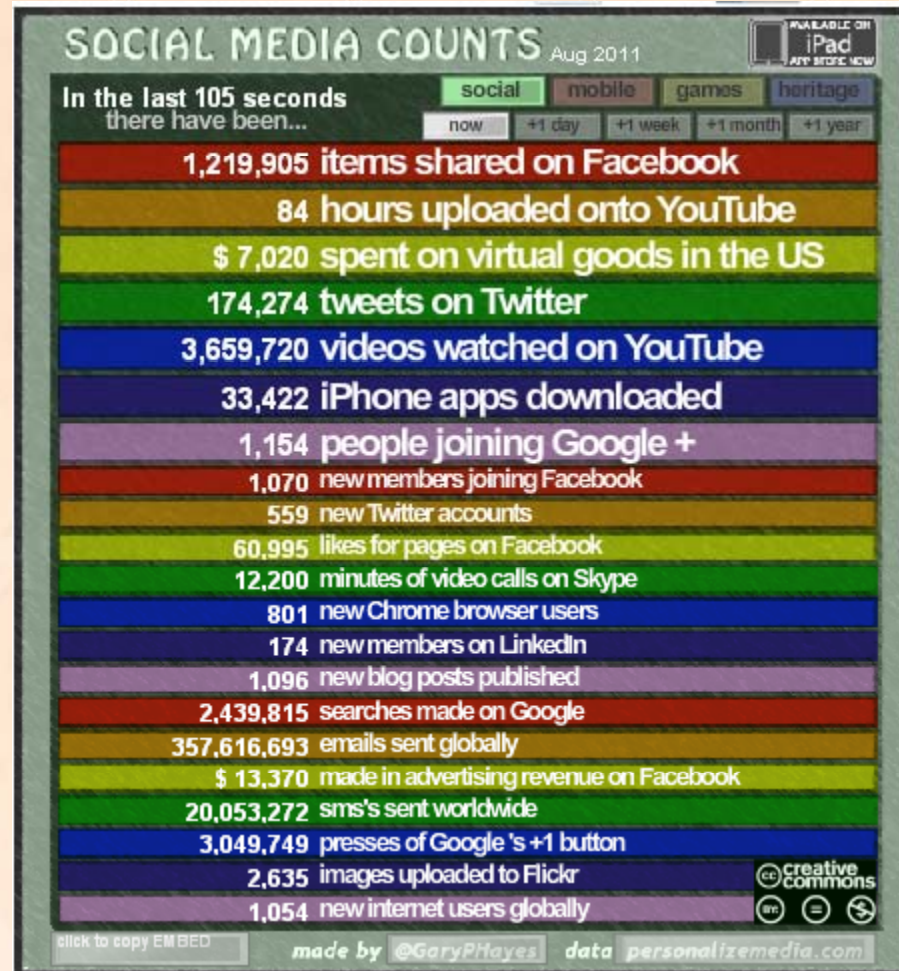


How about you?



Social Media Counts

- <http://www.personalizemedia.com/garys-social-media-count/>



As a result, students think and process information much differently



101001010100111101000010010111010010 110101010101110100001001010011001



Teachers Have Important Jobs

1010010101001111010000100101110100101101010101011101000010101010011001



ELEPHANTS

Larger than the moon



Under Neat that



LAZY

Just cause you have to, doesn't mean you need too.

Our Agenda

Teacher Tech

Web 2.0

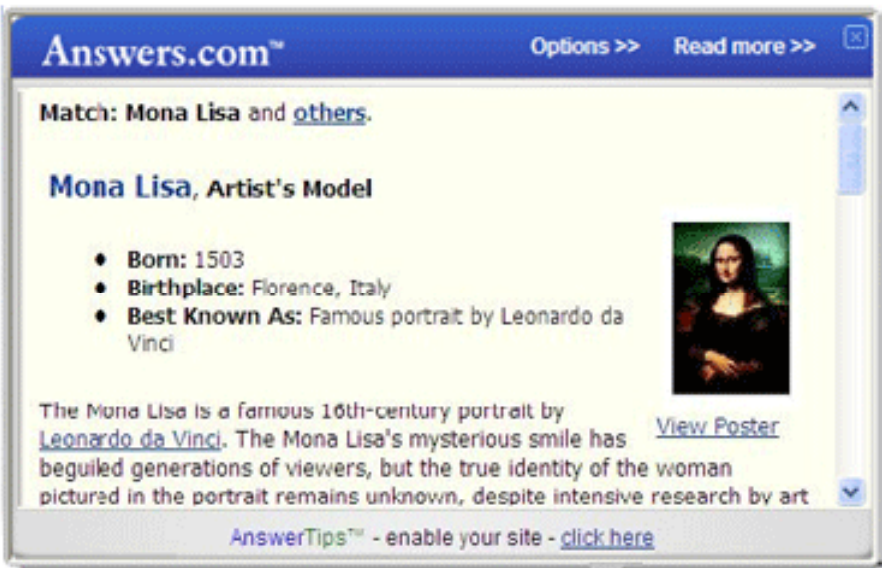


Collaboration



Answers.com

http://www.answers.com/main/download_answers_win.jsp




Answers.com™ Options >> Read more >>

Match: **Mona Lisa** and [others](#).

Mona Lisa, Artist's Model

- **Born:** 1503
- **Birthplace:** Florence, Italy
- **Best Known As:** Famous portrait by Leonardo da Vinci




The Mona Lisa is a famous 16th-century portrait by [Leonardo da Vinci](#). The Mona Lisa's mysterious smile has beguiled generations of viewers, but the true identity of the woman pictured in the portrait remains unknown, despite intensive research by art

[View Poster](#)

AnswerTips™ - enable your site - [click here](#)

Thus the **Mona Lisa** is known in Italy



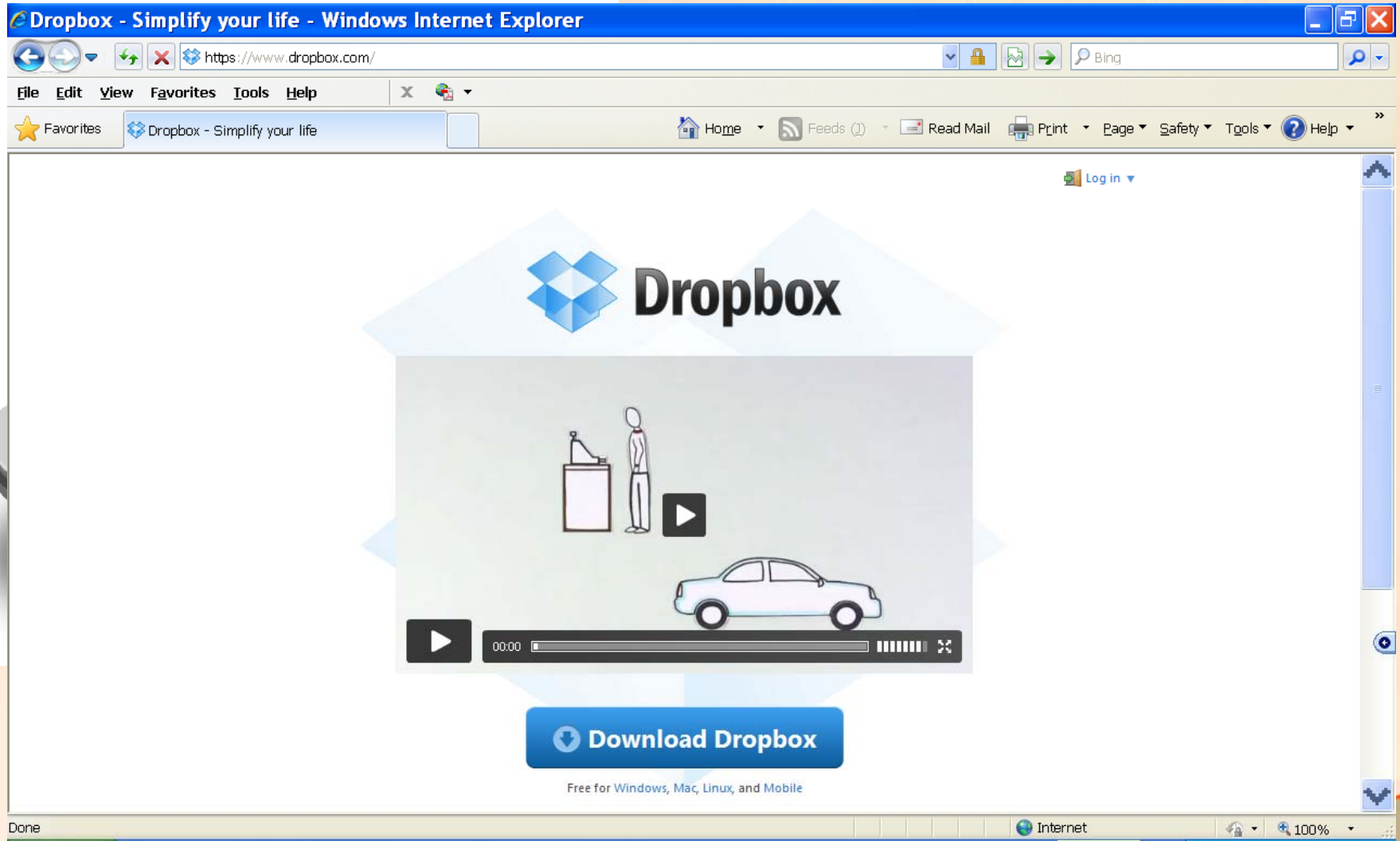
Press the Alt key on your keyboard Click the left mouse button

Accuracy Time

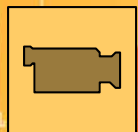
Answers.com®



Dropbox



www.dropbox.com

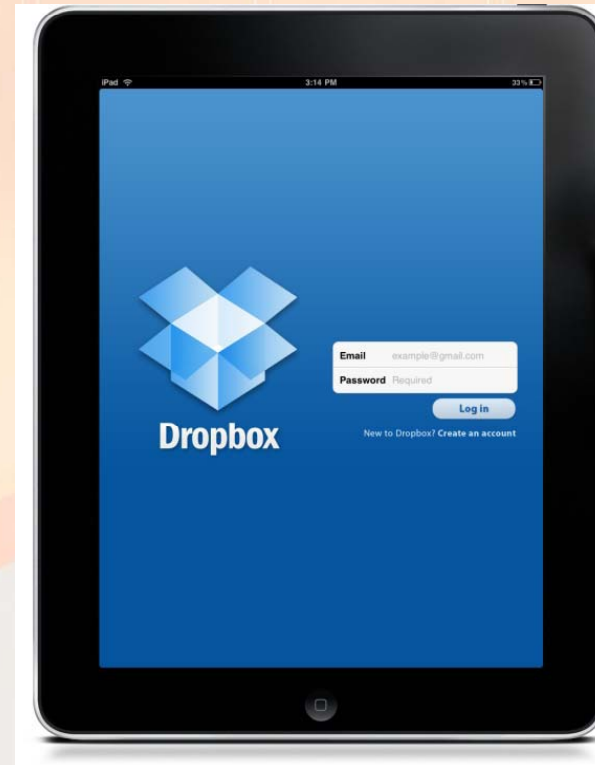




101001010100111101000010010111010010 110101010101110100001001010011001

www.dropbox.com

Dropbox on the Go!



101001010100111101000010010111101001011010101011101000010101010011001

Explore
Answers.com
Dropbox.com



www.mtsd.k12.nj.us/integration



Wordle

1010010101001111010000100101110100101101010101011101000010001010011001

Wordle (*Word Clouds*)

- A tool for generating “word clouds” from text that you provide
- The clouds give greater prominence to words that appear more frequently in the source text
- You can tweak your clouds with different fonts, layouts, and color schemes
- The images you create with Wordle are yours to use
- You can print them out, or save them to the Wordle gallery to share with your friends

<http://www.wordle.net/>

WordleTM

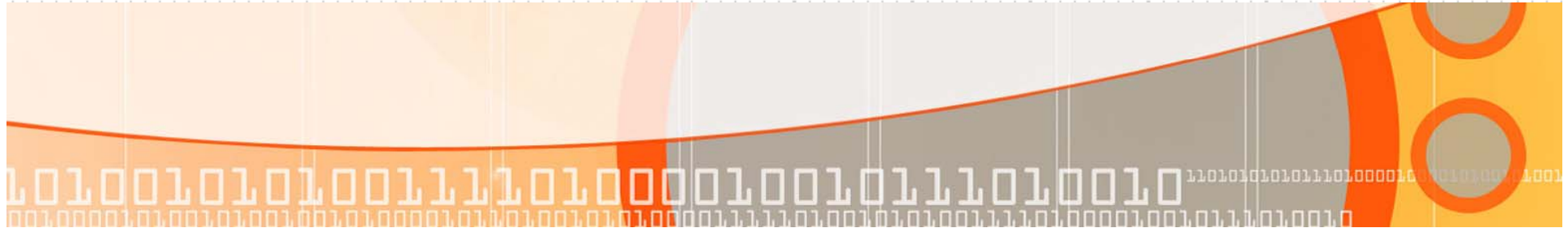


literacy
collaboration
MATH numbers • skills •
communication solving
thinking intellectual • •
21st Century solutions students creativity
curiosity formulation critical
solution systems identification problem media information

1010010101001111010000100101110100101101010101110100001001010011001

web 2.0

Twitter wikis Pageflakes
GoogleDocs PBwiki animoto
iGoogle podcasts wordle
Glogster GoAnimate
TeacherTube blogs
Picasa delicious
SchoolTube slideshare
Symbaloo voicethread
PollDaddy
GoogleReader
Flickr



SOFTWARE

WIKIS

COLLABORATION

EMAIL

ACCOUNTS

WORD

VIDEO

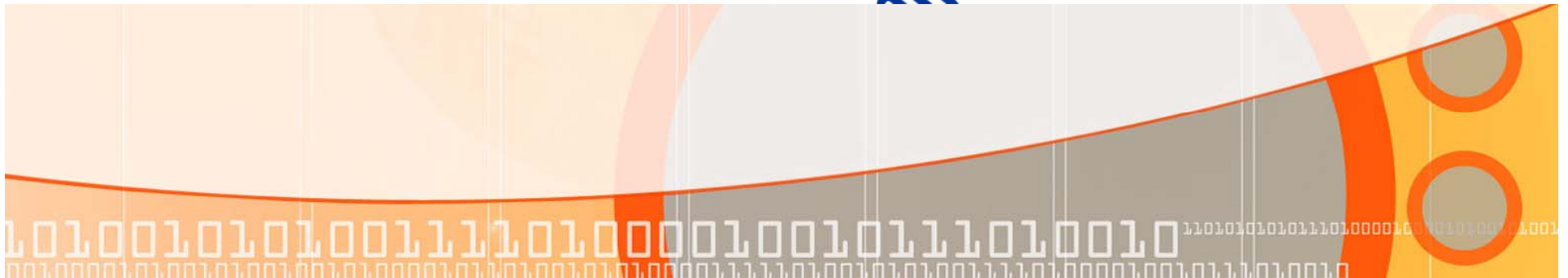
CONCEPT

MAPPING

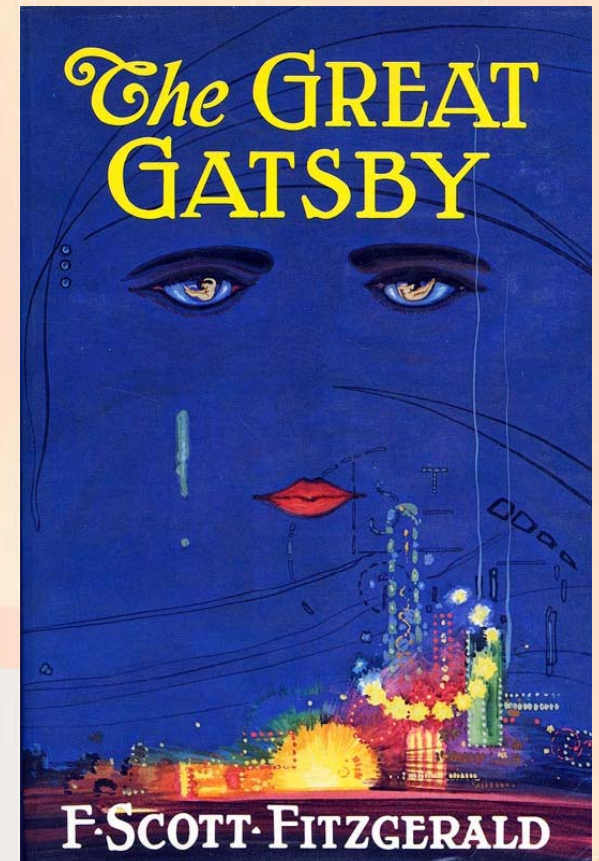
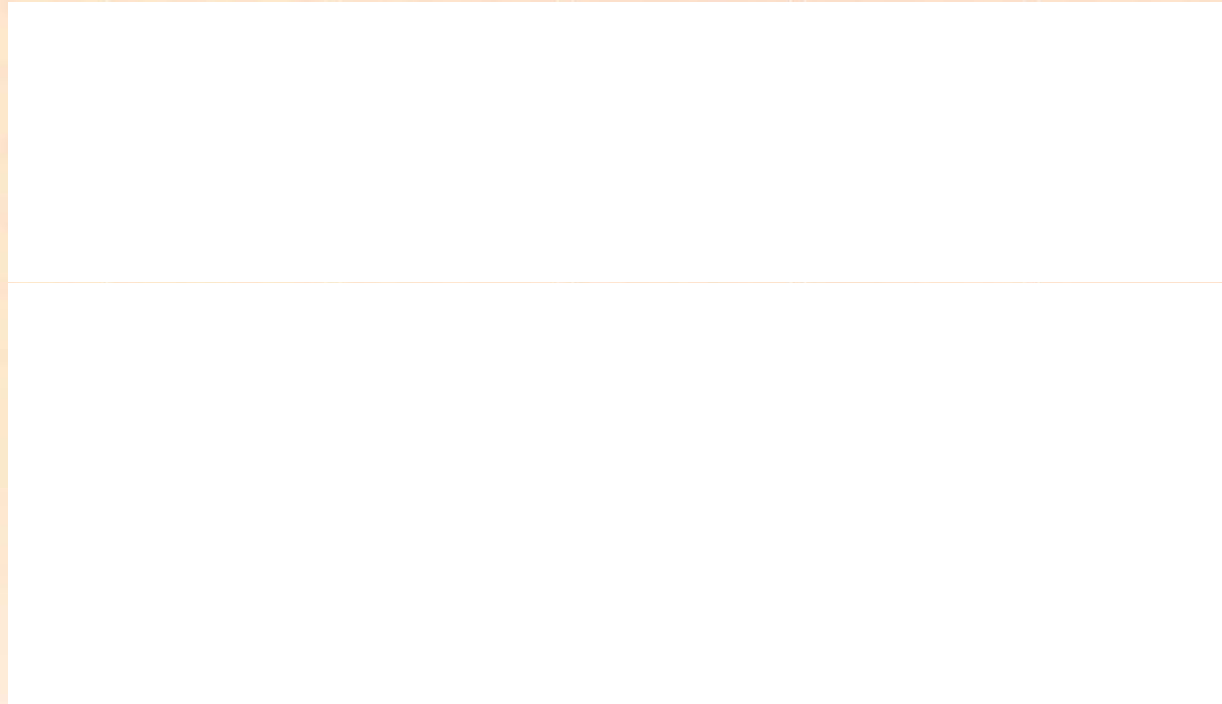
BLOGS

CLOUDS

PODCAST



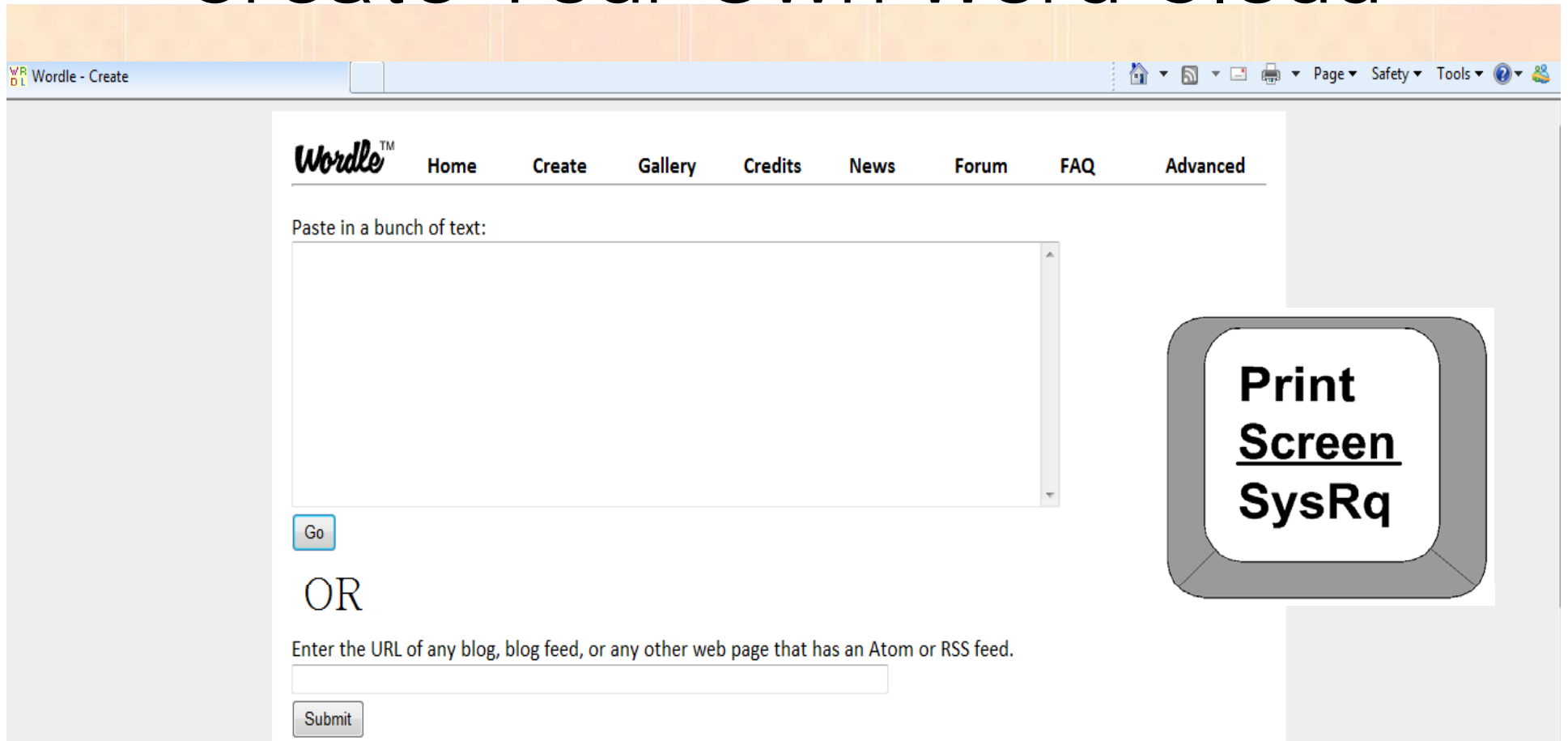
Picture/Video Prompt



Pre/Post Assessment



Create Your Own Wordle



The screenshot shows the Wordle website's 'Create' page. At the top, there is a navigation menu with links for Home, Create, Gallery, Credits, News, Forum, FAQ, and Advanced. Below the menu is a large text input field with the placeholder text 'Paste in a bunch of text:'. To the right of this field is a grey-bordered box containing the text 'Print Screen SysRq'. Below the text input field is a 'Go' button. Further down, there is an 'OR' separator, followed by a smaller text input field with the placeholder text 'Enter the URL of any blog, blog feed, or any other web page that has an Atom or RSS feed.' and a 'Submit' button. The browser's address bar at the top shows 'Wordle - Create'.

<http://americancivilwar.com/north/lincoln.html>

<http://www.wordle.net/>

Additional Word Cloud Web Sites

www.wordle.net/

www.tagxedo.com

www.tagcrowd.com

www.worditout.com



Explore Word Clouds



www.mtsd.k12.nj.us/integration



Media Rich Lessons

Pictures

Videos

10100101010011110100001001011101001011010101011101000010101010011001

- **Text once accompanied pictures**



- **Now Pictures and Videos accompany text!**





Digital Cameras



101001010100111101000010010111101001011010101011101000010001010011001



Digital Cameras



- **Display Pictures using PowerPoint**
- **Used in conjunction with an LCD projector**
- **Search for Images (Internet/Clipart)**
- **Copy, Paste, Save**



Document Activities

- **Print, Post, Share, Discuss, Document**



Impact



1010010101001111010000100101110100101101010101011101000010101010011001

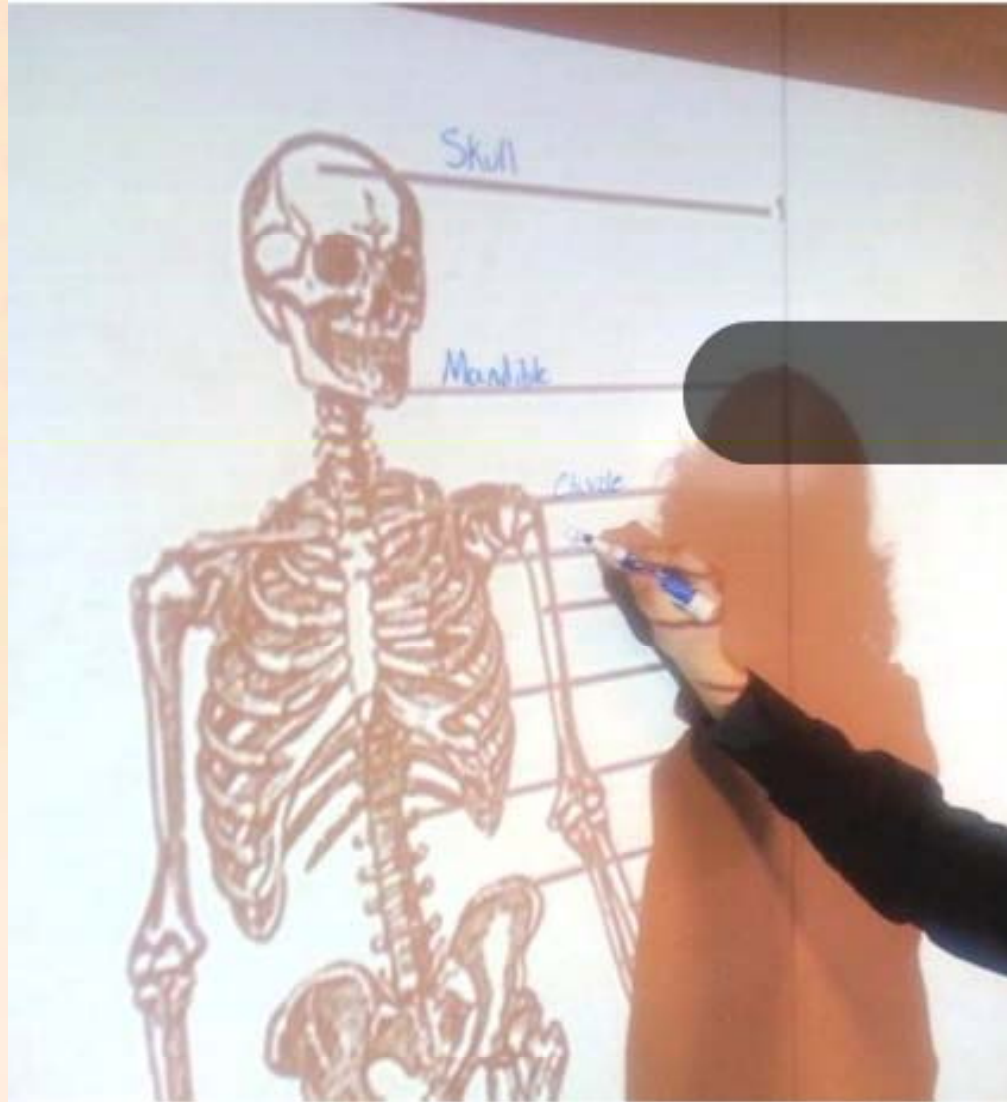
Fill in Maps/Diagrams



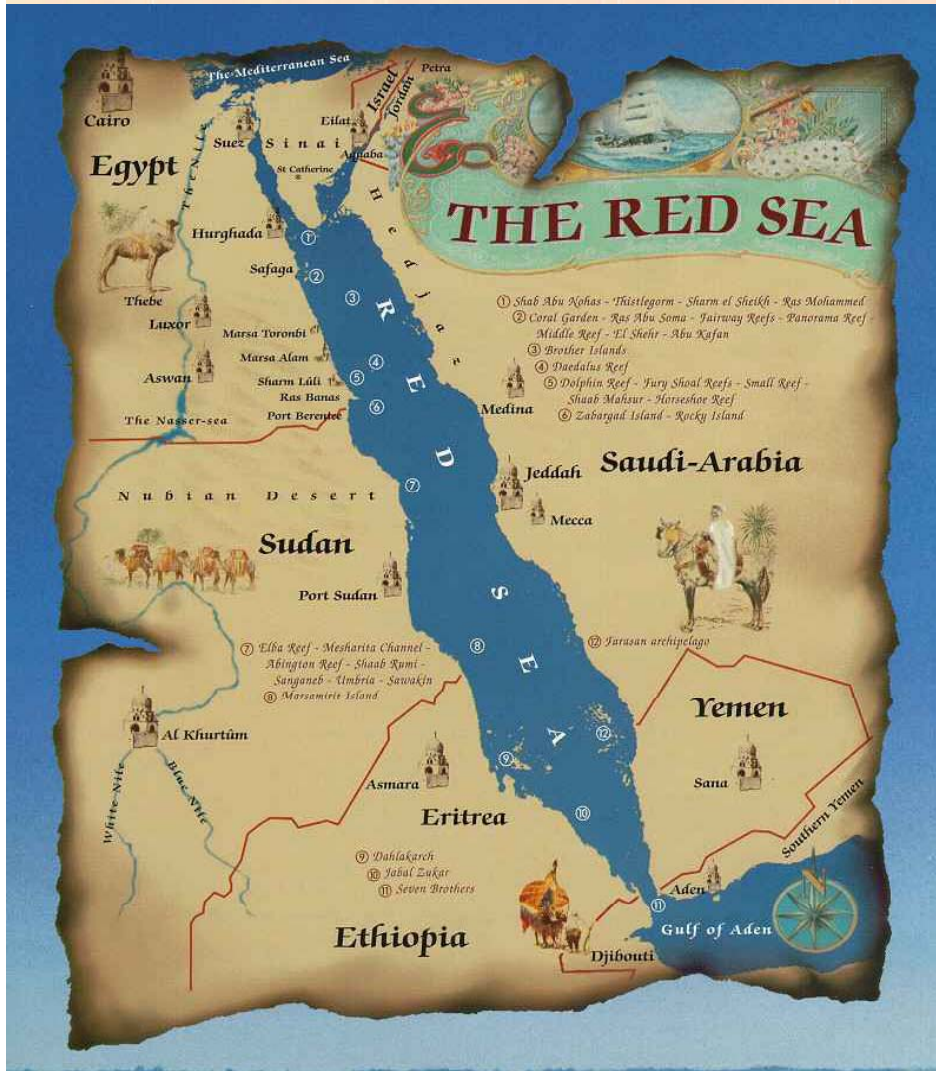
Create a Smart “Dumb Board”



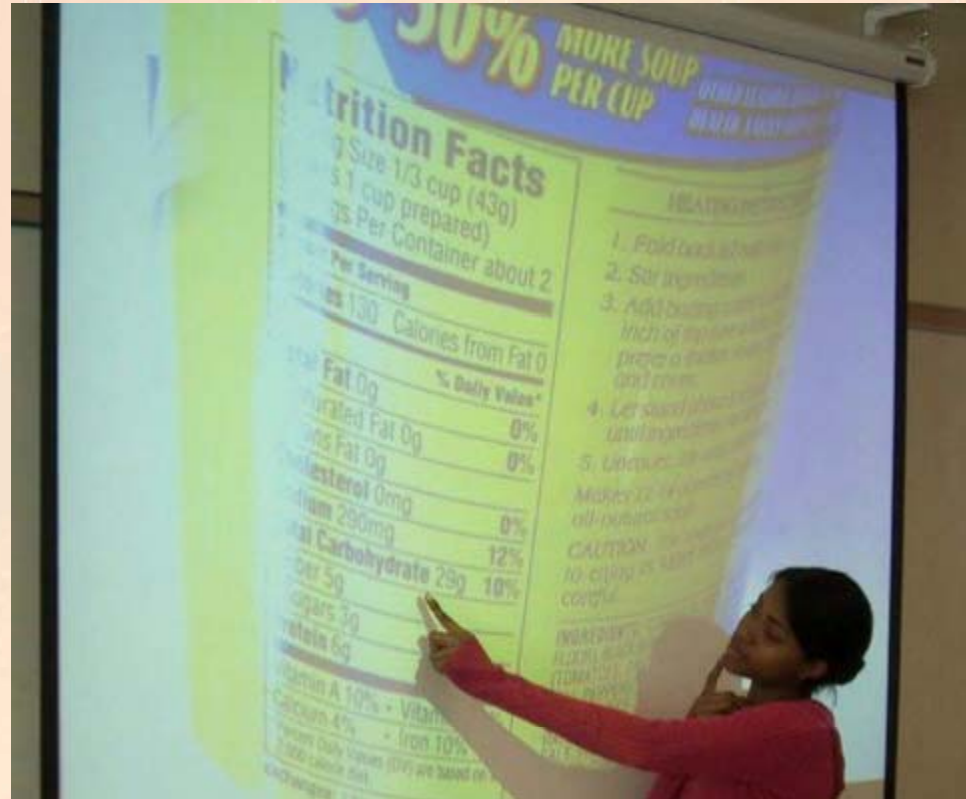
Diagram (Places & Things)



Display Images



Nutrition



Video Sites (Free)

- Sites where teachers can post videos designed for students to view in order to learn a concept or skill



Video Web Sites

<http://www.youtube.com>

<http://www.youtube.com/education>

<http://www.teachertube.com>

<http://www.schooltube.com>

<http://www.vimeo.com/>

<http://video.search.yahoo.com/>

<http://video.google.com/>

<http://www.stevespanglerscience.com/video>



Video Sites (Fee)

SAFARI
MONTAGE

The Total Solution for K-12
Digital Media Management
and Distribution



Brain
POP[®]

the more you know, the more you know

www.brainpop.com

<http://streaming.discoveryeducation.com/>

<http://safari montage.com/>

101001010100111101000010010111010010110101010111010000101010011001

Download Videos (Realplayer)

RealPlayer

Real Guide Music Movies Games

Real Blog Follow on Twitter Facebook Fan Page

RealPlayer RealPlayer Plus Features Tour

Download video from thousands of Websites with RealPlayer SP

Get the latest RealPlayer SP

RealPlayer® SP lets you download video from thousands of Web sites - free! Just click on the "download this video" button above the video you want. It's just that easy. And now, you can trim your videos to share what matters most with your friends on Facebook, MySpace, YouTube and Twitter.

RealPlayer SP
Free Download
1.1 for Windows (20.1 MB)

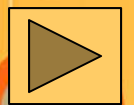
RealPlayer SP installations
108,918,895

Now available for Mac
Alternate Versions: Mac | Linux
System Requirements

Compatible with Windows 7

<http://www.real.com/realplayer/>

<http://www.mtsd.k12.nj.us/Page/4479>



Safeshare.tv

- Convert entire or selected part of a YouTube clip for safer viewing

<http://safeshare.tv/>



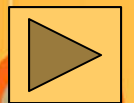
Demo Shuttle Launch

<http://www.youtube.com/watch?v=zsJpUCWfyPE>

Safe View Link

<http://www.safeshare.tv/w/sJlgjZSLLH>

**Firewall???? Yes & No
Depends on Configuration**



Shoot your own video (Tornado)



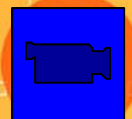
10100101010011110100001001011101001011010101011101000016001010011001

New Technology

Samsung Turbo 3000



<http://www.youtube.com/watch?v=TYIOIM6hHBk>



101001010100111101000010010111010010 1101010101011101000011 1001

Explore Pictures/Videos

**Copy, Paste, Save Pictures & Videos
Download & Explore Realplayer
Try SafeShareTV**

<http://www.real.com/realplayer/>

<http://safeshare.tv/>



www.mtsd.k12.nj.us/integration

Flash Cards

1010010101001111010000100101110100101101010101011101000010001010011001

Flash Cards

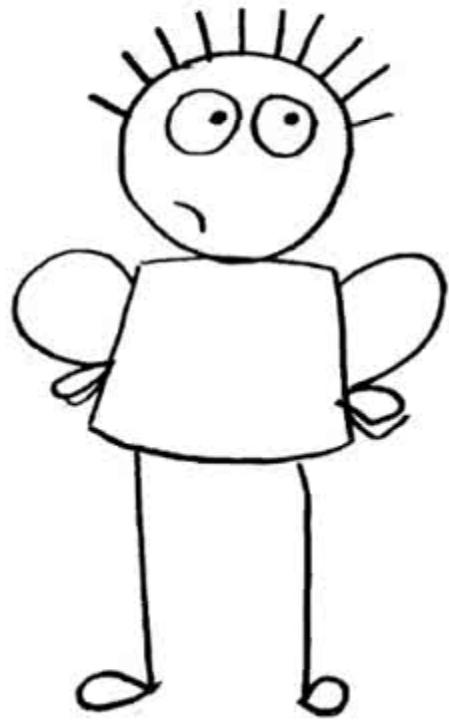
- **Quizlet is a free website that allows users to view, create and share flash card sets online**
- **Users can create their own cards or study with one of the thousands of existing sets of flashcards**

<http://quizlet.com/>

<http://quizlet.com/features/>

[Student Monitoring](#)





Explore Quizlet



<http://quizlet.com/>

10100101010011110100001001011101001011010101011101000010101010011001

Testmoz

- **Simple-to-create, simple-to-use online assessment**
- **Create interactive, self-checking quizzes in several formats**
 - **Multiple choice**
 - **True/false**
 - **Check boxes**
 - **Type In boxes**



Testmoz
Test Generator

The logo for Testmoz is displayed in a white rectangular box. The word "Testmoz" is written in a large, bold, orange, cursive-style font. Below it, the words "Test Generator" are written in a smaller, black, sans-serif font. The background of the slide features a light orange gradient with a large, semi-transparent grey circle and a red arc at the bottom. A decorative border of binary code (0s and 1s) runs along the bottom edge.

Testmoz

- **Provides detailed reports containing who took the test and how long they spent**
- **Which questions they answered correctly**
- **Overall percentage score**

<http://testmoz.com/>

Testmoz

Test Generator

10100101010011110100001001011101001011010101011101000010101010011001

Prezi



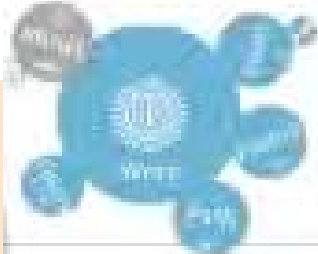
101001010100111101000010010111010010 1101010101011101000010001010011001

**Create astonishing presentations
live and on the web**

<http://prezi.com/>



10100101010011110100001001011101001011010101011101000010001010011001



Getting Started with Prezi

Title Title Body



Explore Prezi



<http://www.prezi.com/>

10100101010011110100001001011101001011010101011101000010101010011001

eBooks

1010010101001111010000100101110100101101010101011101000010011010011001

eBook Hatch

- **eBook Hatch allows you to create and publish eBooks for free**
- **It is specifically designed for educators**
- **Easily design it page by page**
- **Insert pictures, audio and videos**
- **When it's published it will be available online**
- **You can register, add users and start creating books in minutes**

eBOOK HATCH

- How Does It Work?
- What does it cost?
- Who Can Use This?
- How Do I Start?

**Welcome to
eBook Hatch!**

eBook Hatch is a 100% free online book making platform designed for the education community. Click the links above or turn the pages of this book to learn more about the site and how it works!

<http://ebookhatch.com/>

<http://www.ebookhatch.com/shelf/ves>



Explore eBooks



www.ebookhatch.com
www.mtsd.k12.nj.us/integration

1010010101001111010000100101110100101101010101011100001001010011001

Take a Virtual Field Trip

Google Earth – Are You Geographically Challenged?



Google Earth lets you fly anywhere on Earth to view satellite imagery, maps, terrain, 3D buildings and even explore galaxies in the Sky. You can explore rich geographical content, save your toured places and share with others.

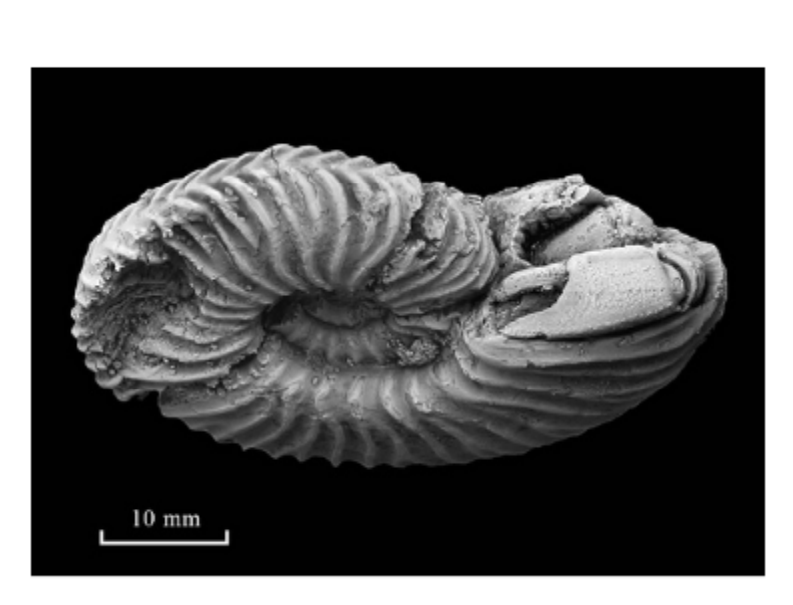
<http://earth.google.com/>

**Don't have time to install Google earth or can't-
Use the web site version below.**

<http://www.google.com/earth/explore/products/earthview.html>



Virtual Dig



Fossil Dig

- ***Travel to our location via Google Earth***
- ***Calculate distance***
- ***Examine fossil samples using a microscope***
- ***Link to the web site***

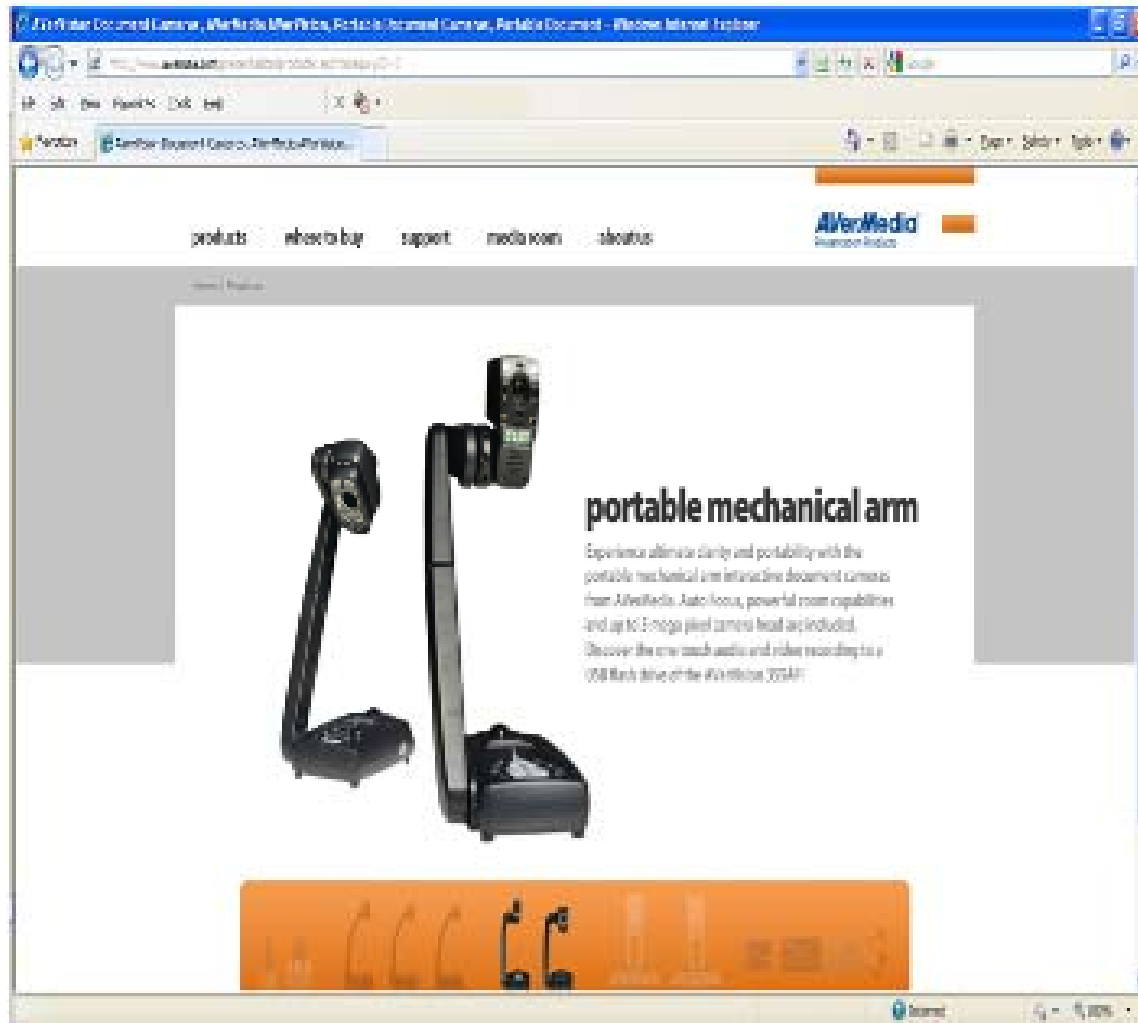


<http://poricypark.org/>

http://en.wikipedia.org/wiki/Poricy_Park#Fossils







Explore Google Earth



<http://earth.google.com/>

Don't have time to install Google earth or can't- Use the web site version below.

<http://www.google.com/earth/explore/products/earthview.html>

www.mtsd.k12.nj.us/integration

Rubrics

1010010101001111010000100101110100101101010101011101000010011010011001

Rubistar

Create a rubric with just few clicks of the mouse

<http://rubistar.4teachers.org/index.php>



Explore Rubistar

<http://rubistar.4teachers.org/index.php>



Collaboration

10100101010011110100001001011101001011010101011101000010001010011001

Collaborate

Merriam-Webster defines collaboration as: to work jointly with others or together especially in an intellectual endeavor



Collaborate with Other Schools

Teachers and students can develop working relationships with other schools around the country or world on various topics/subjects



Collaborating

- **All grade levels**
- **All curriculum areas**
- **Local, National, Global Projects**

Global Schoolhouse

<http://www.gsh.org/>

Stevens Institute of Technology

<http://www.k12science.org/currichome.html>

International Education And Resource Network

<http://www.iearn.org/>

<http://media.iearn.org/projects>



Videoconferencing (*Polycom*)



Polycom ViewStation Unit



Microphone Pod



ViewStation Remote Control

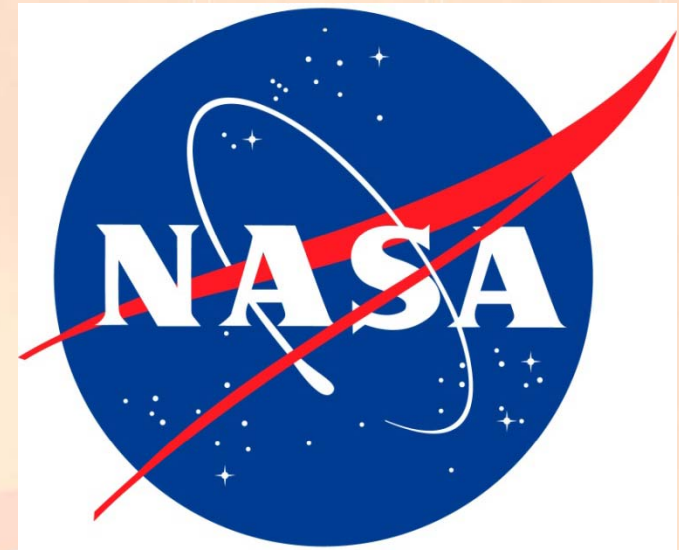


Rutgers U. Videoconference



Videoconference

NASA's Distance Learning Network



<http://www.nasa.gov/offices/education/programs/national/dln/index.html>

101001010100111101000010010111010010 1101010101011101000010010011001

Videoconferencing (*Skype*)

Video Calls - Free Video Calls - Skype - Windows Internet Explorer

http://www.skype.com/intl/en-us/features/allfeatures/video-call/

File Edit View Favorites Tools Help

Buy Credit Sign In Join Skype


skype Features Get Skype Prices Accessories Business Support Special offers Search

Video calling on Skype


Talk face-to-face with live video for Free

Get Skype


See how easy it is to make video calls with Skype




Video on Skype – bringing you even closer together



Share the moment
A special event, that new outfit, some stunning scenery, the big game... Free video calling* on



Read the kids a bedtime story
Dad away on business, grandparents abroad – make bedtime special. Be there even when



Collaborate and save on travel
Share ideas, meet new team members, minimise the cost and time of unnecessary

Done Internet 75%





Skype Education



The screenshot shows the Skype Education website as it appeared in a Windows Internet Explorer browser. The browser's address bar shows the URL <http://education.skype.com/>. The page features a blue header with the 'skype in the classroom' logo and a navigation menu with links for Home, Teachers, Projects, Resources, About, and Sign in. The main content area has a large blue background with the text 'Welcome to Skype in the classroom' and a sub-headline: 'Meet new people, discover new cultures and connect with classes from around the world, all without leaving the classroom.' A green button prompts users to 'Join now with your Skype account', with a link to 'Get one now' for those who don't have an account. To the right, three circular statistics are shown: 346 Projects, 10135 Teachers, and 424 Resources. Below this, a section titled 'Introducing Skype in the classroom' provides a brief description of the community's purpose. At the bottom, there is a link to view 'Skype in the classroom's 250 newest teachers by location'. The browser's taskbar at the bottom shows the system tray with the Internet icon and a 100% zoom level.

<http://education.skype.com/>



Explore Collaborative- videoconferencing Sites



www.mtsd.k12.nj.us/integration

10100101010011110100001001011101001011010101011101000010101010011001