# Technology in the Classroom

**Presented by Jim Dolan**

**Jim Dolan**

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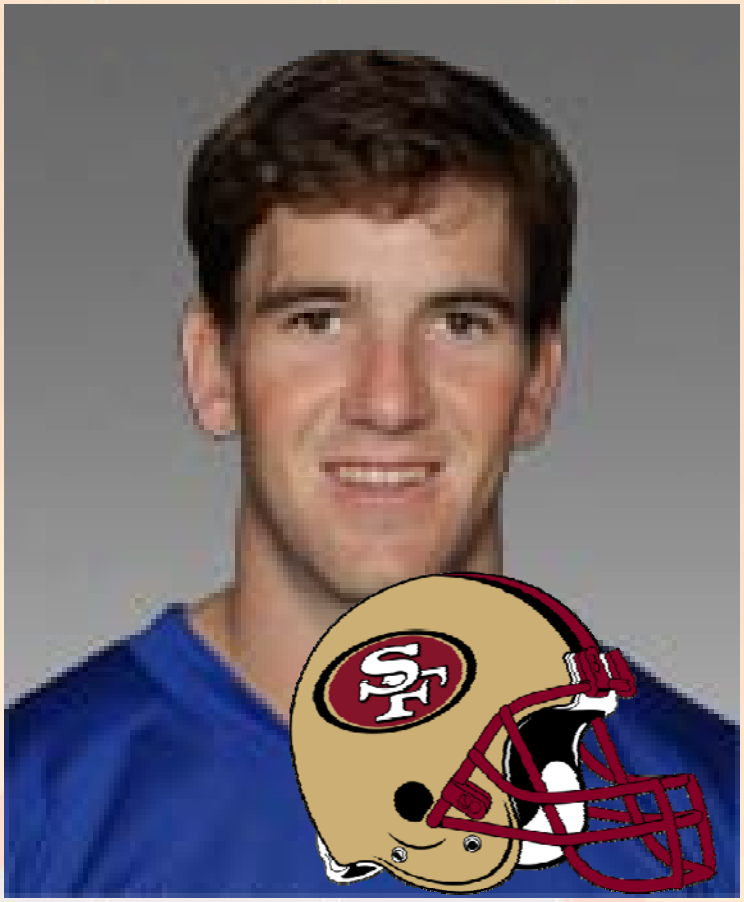
**Presentation materials available at:**

www.mtsd.k12.nj.us/integration

# Evaluation

**Jim Dolan**



**Eli Manning**

# 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**

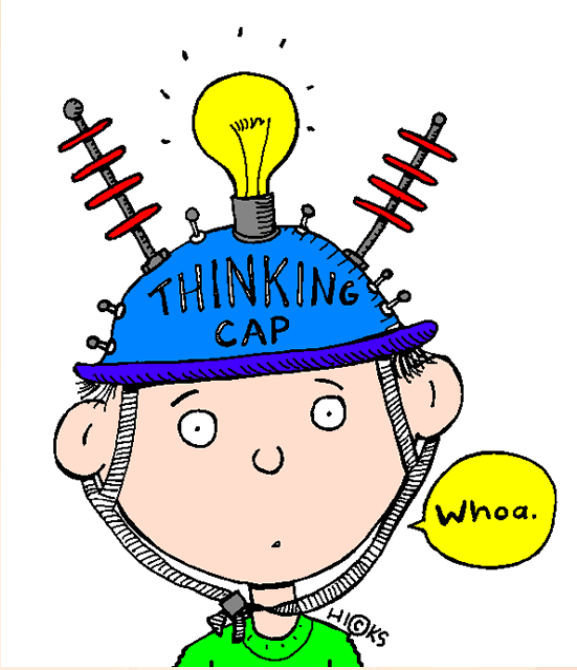
**Simple**

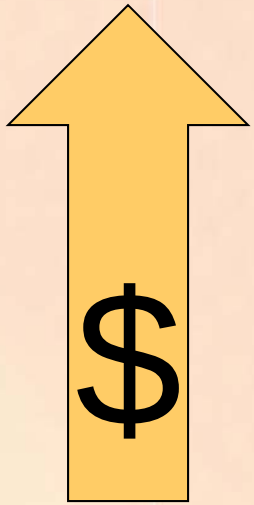
**More Planning**

# 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**

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

# 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!

**College grads have spent less than 5,000 hours reading**

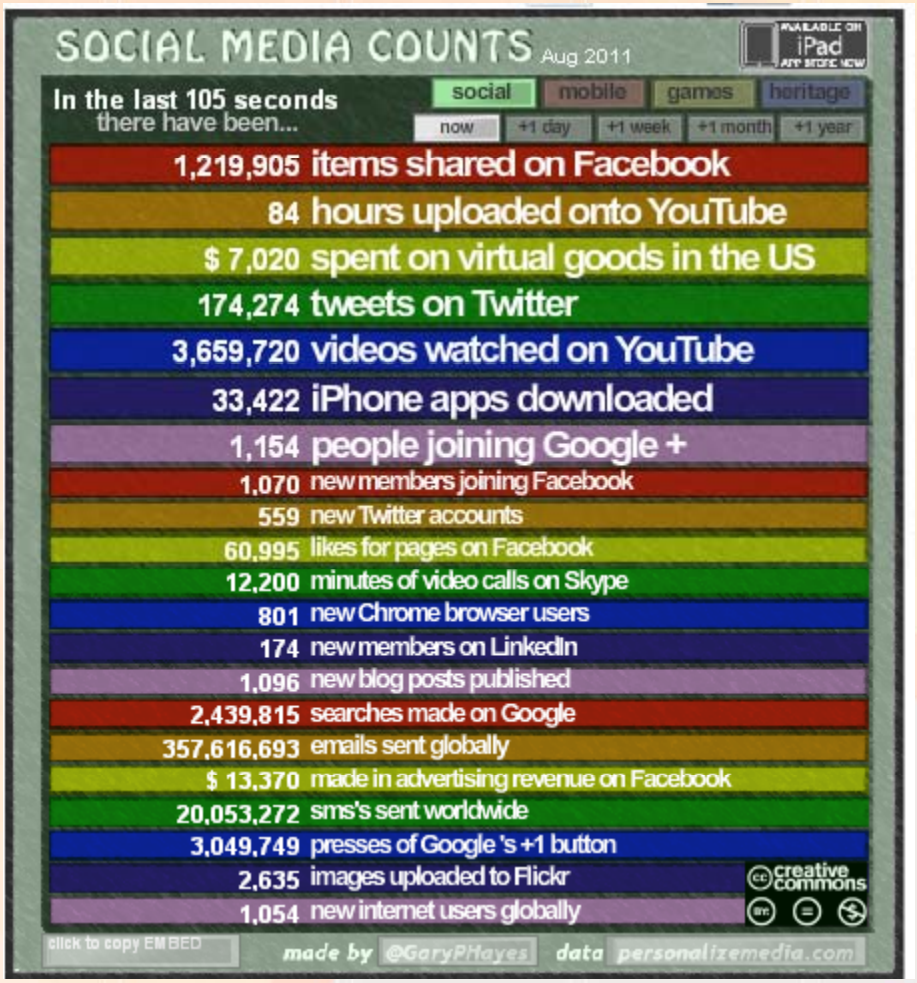
**But over 10,000 hours playing video games (not to mention 20,000 hours watching TV).**

**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

# Teachers Have Important Jobs

# ELEPHANTS

Larger than the moon

Best Wishes Suzanne
Under Neat that
We will Miss you

# LAZY

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

# Our Agenda

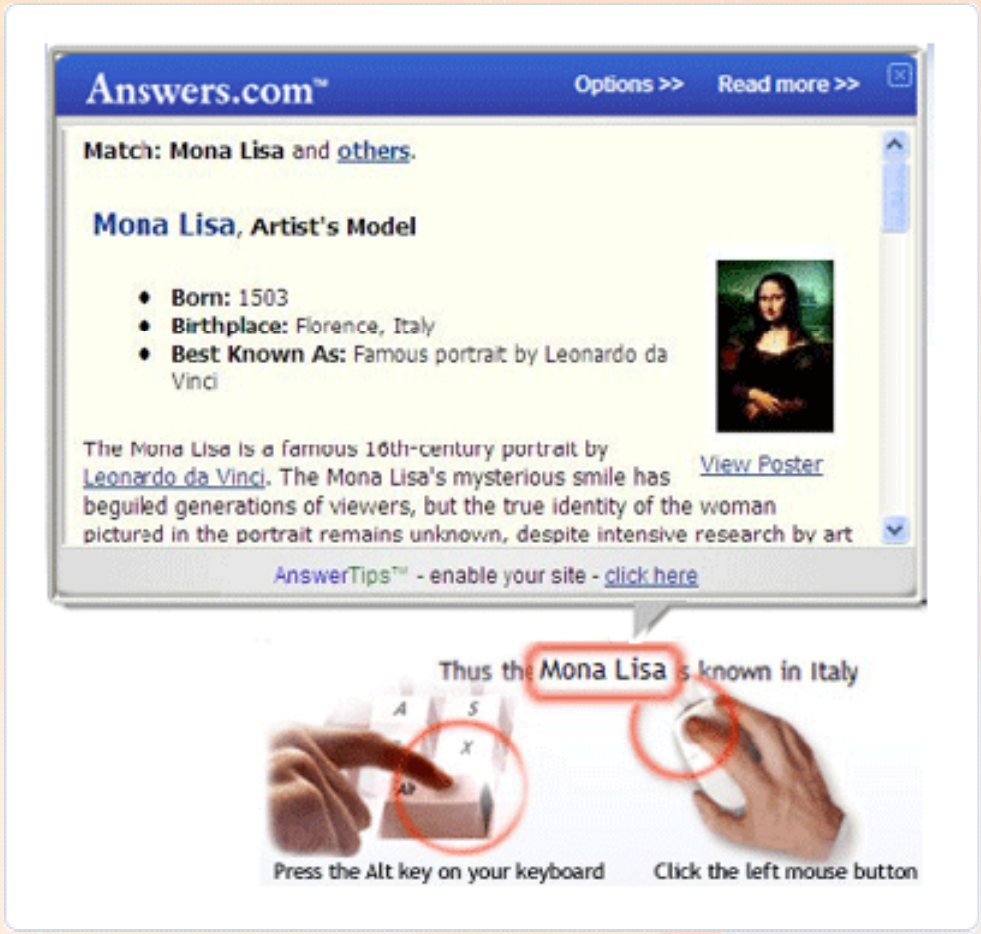
Teacher Tech

Web 2.0

Collaboration

# Answers.com

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

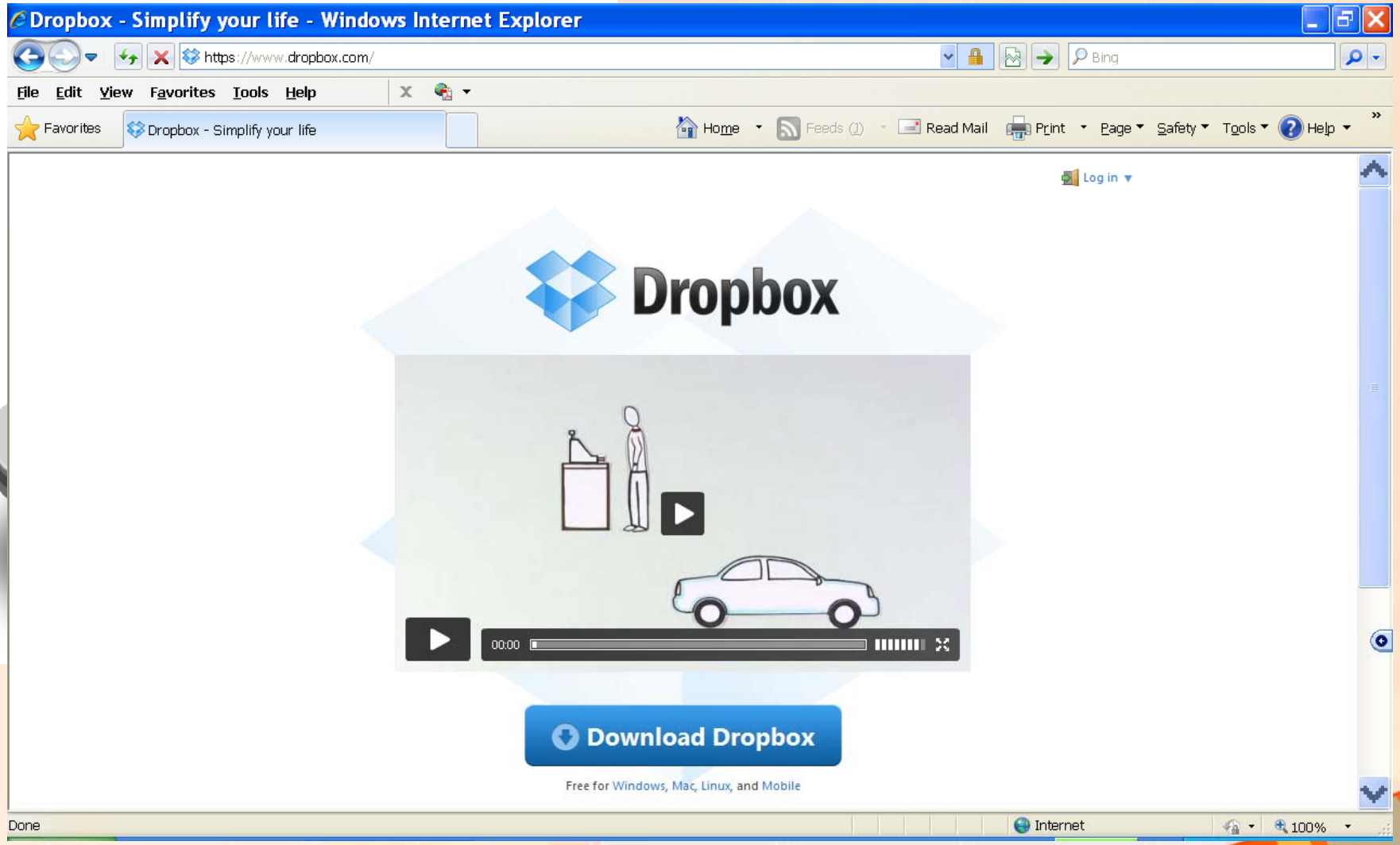



**Accuracy**

**Time**

Answers.com®

# Dropbox




www.dropbox.com

www.dropbox.com

# Dropbox on the Go!

# Explore

Answers.com

Dropbox.com

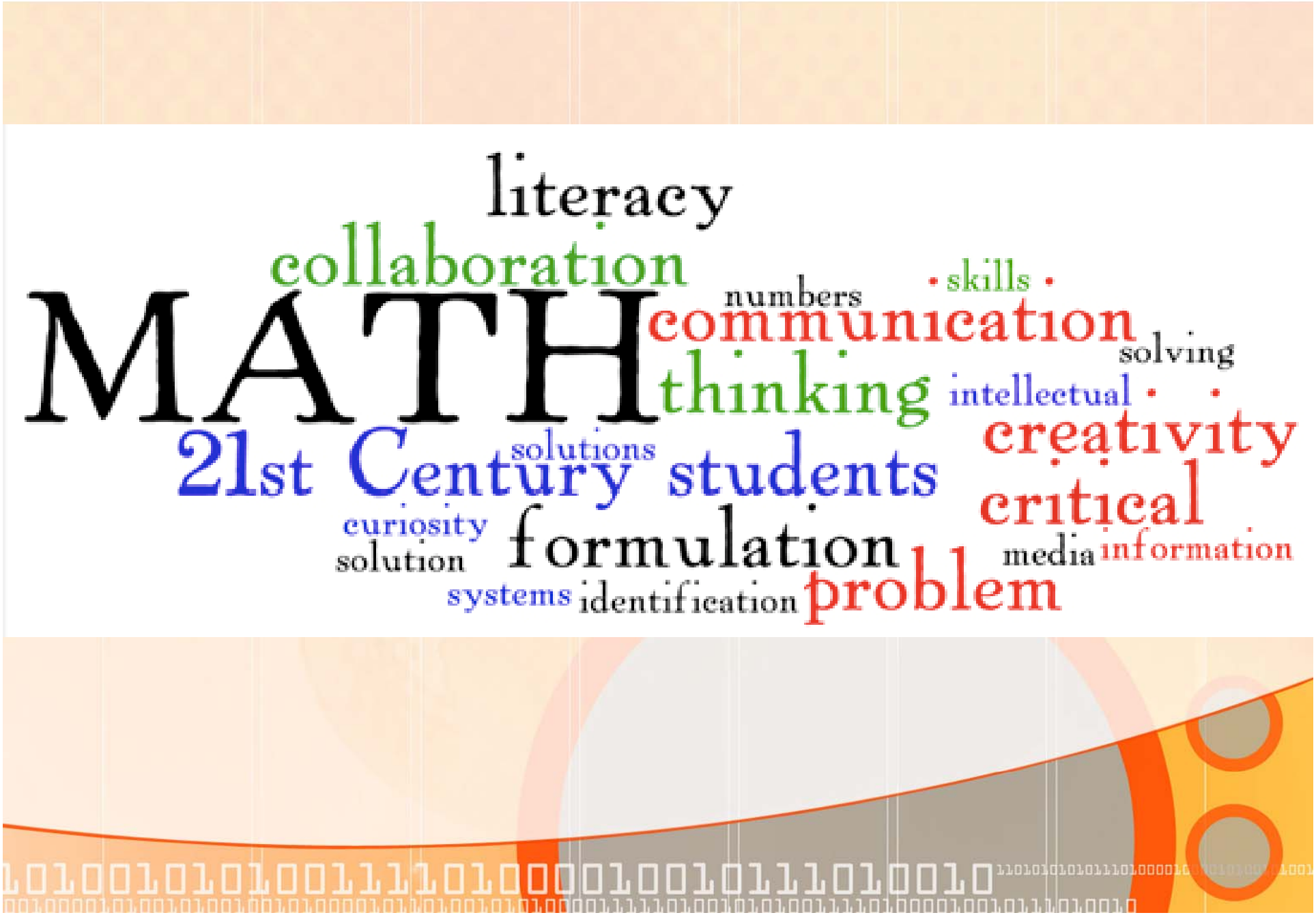
www.mtsd.k12.nj.us/integration

# Wordle

# 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**

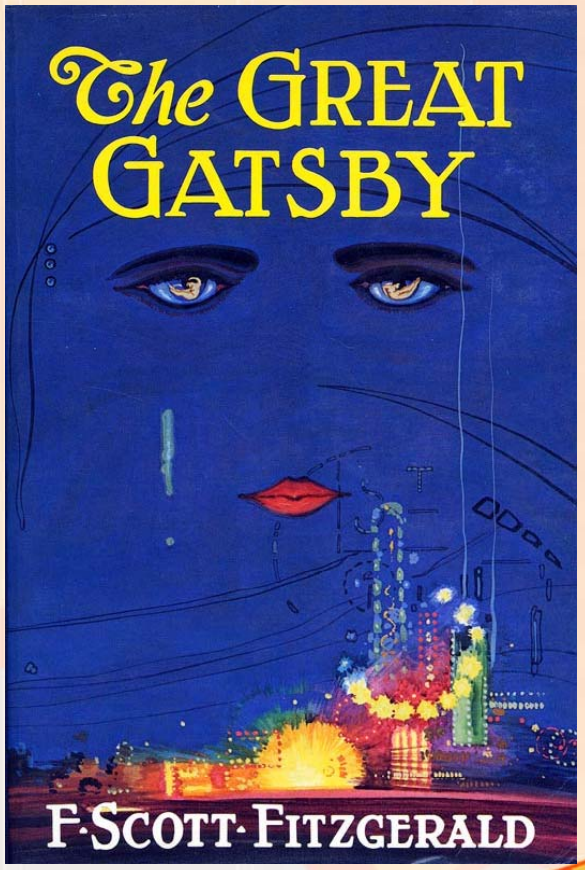
***http://www.wordle.net/***


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

web2.0
Twitter
wikis
Pageflakes
GoogleDocs
PBwiki
iGoogle
Glogster
GoAnimate
podcasts
animoto
wordle
blogs
TeacherTube
delicious
Picassa
Flickr
SchoolTube
slideshare
Symbaloo
voicethread
PollDaddy
GoogleReader

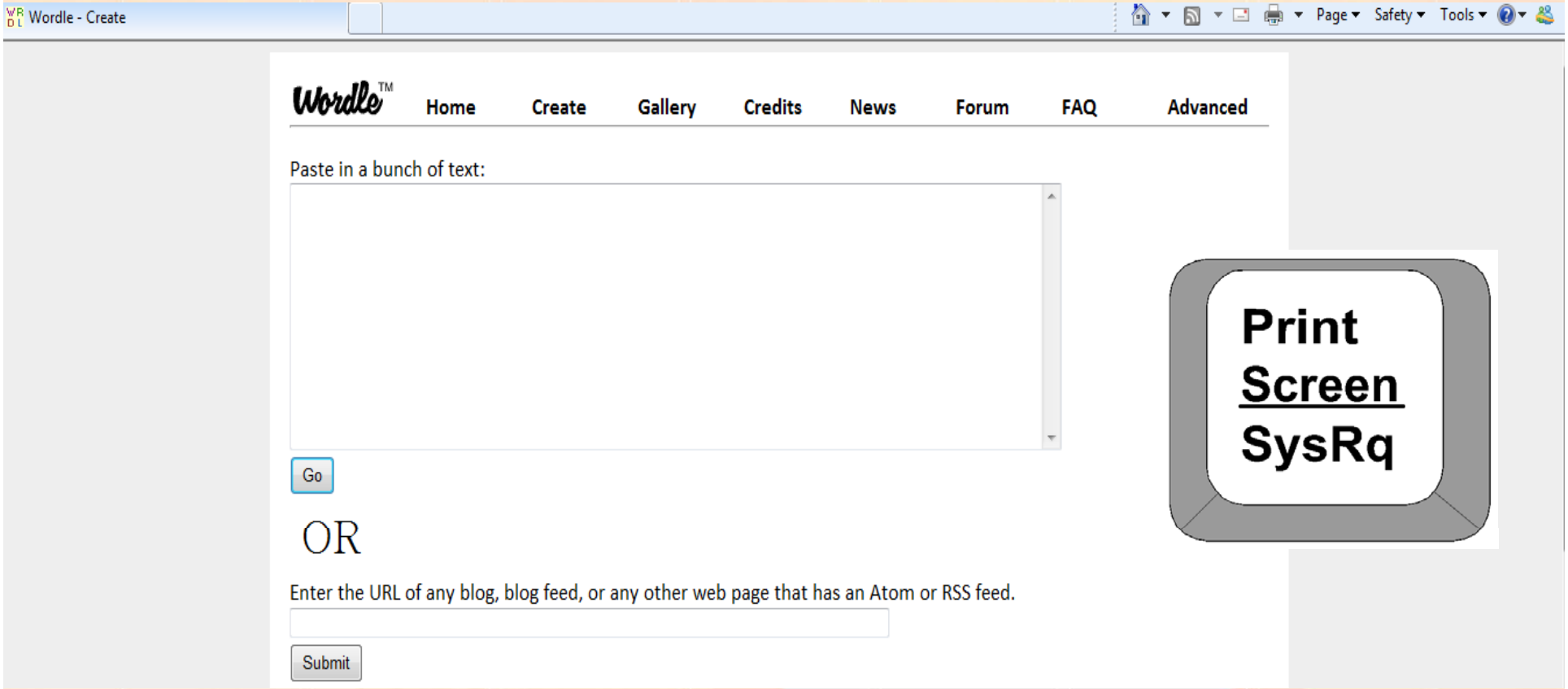
SOFTWARE
COLLABORATION
ACCOUNTS
WIKIS
EMAIL
WORD
VIDEO
CONCEPT
MAPPING
BLOGS
CLOUDS

# Picture/Video Prompt




**Pre/Post Assessment**

# Create Your Own Word Cloud







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

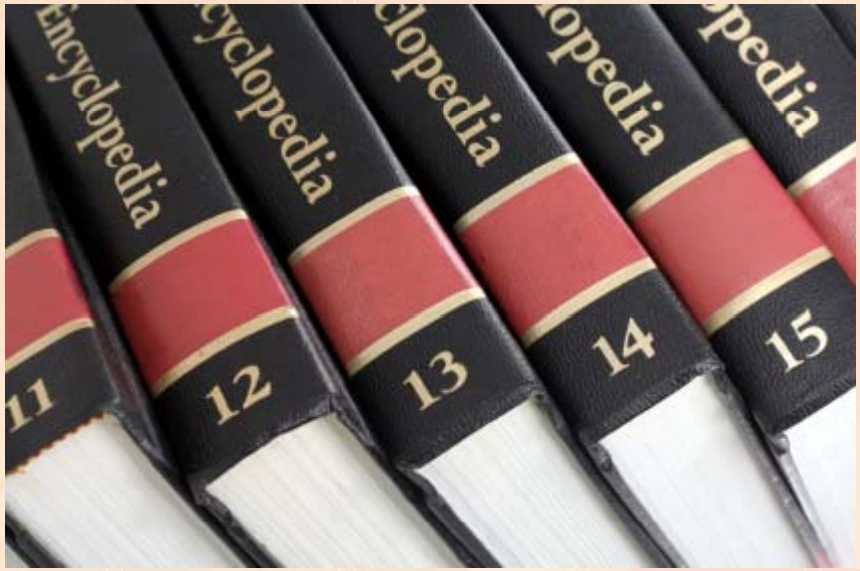
www.mtsd.k12.nj.us/integration

# Media Rich Lessons

Pictures

Videos

- **Text once accompanied pictures**




- **Now <u>Pictures</u> and <u>Videos</u> accompany text!**

# Digital Cameras

wide6.0

# Digital Cameras

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

Google Image Search

flickr

altavista

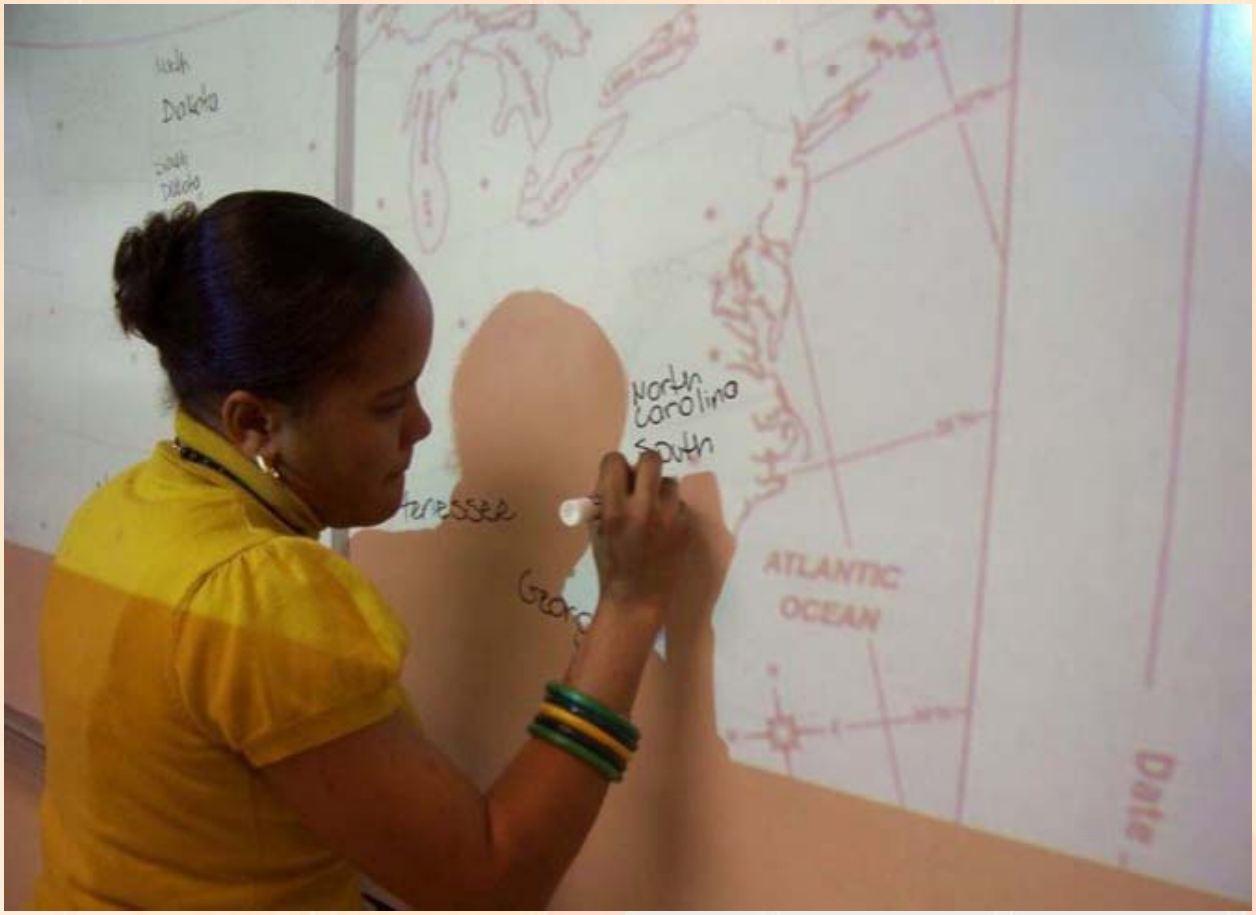
YAHOO!

# Document Activities

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

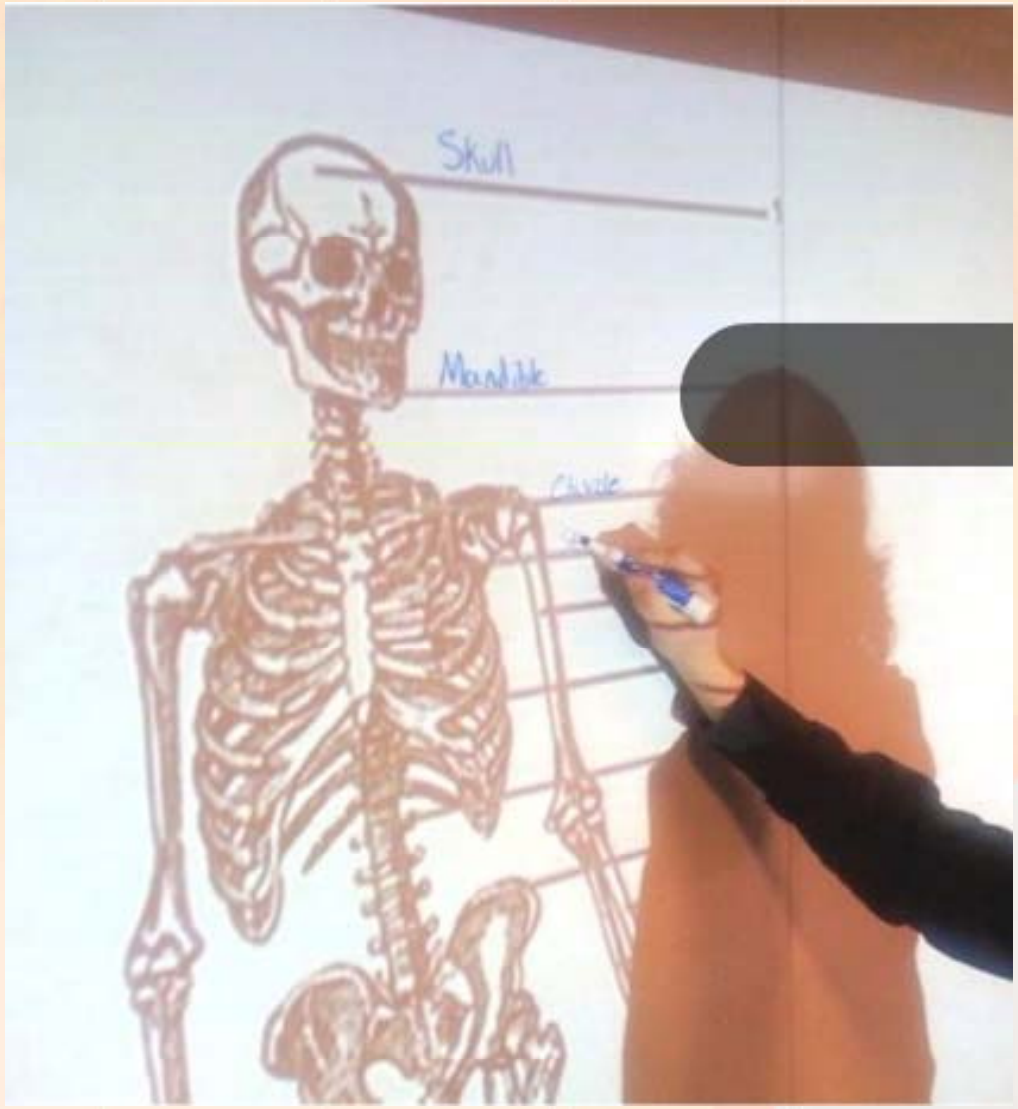
# Impact

# Fill in Maps/Diagrams

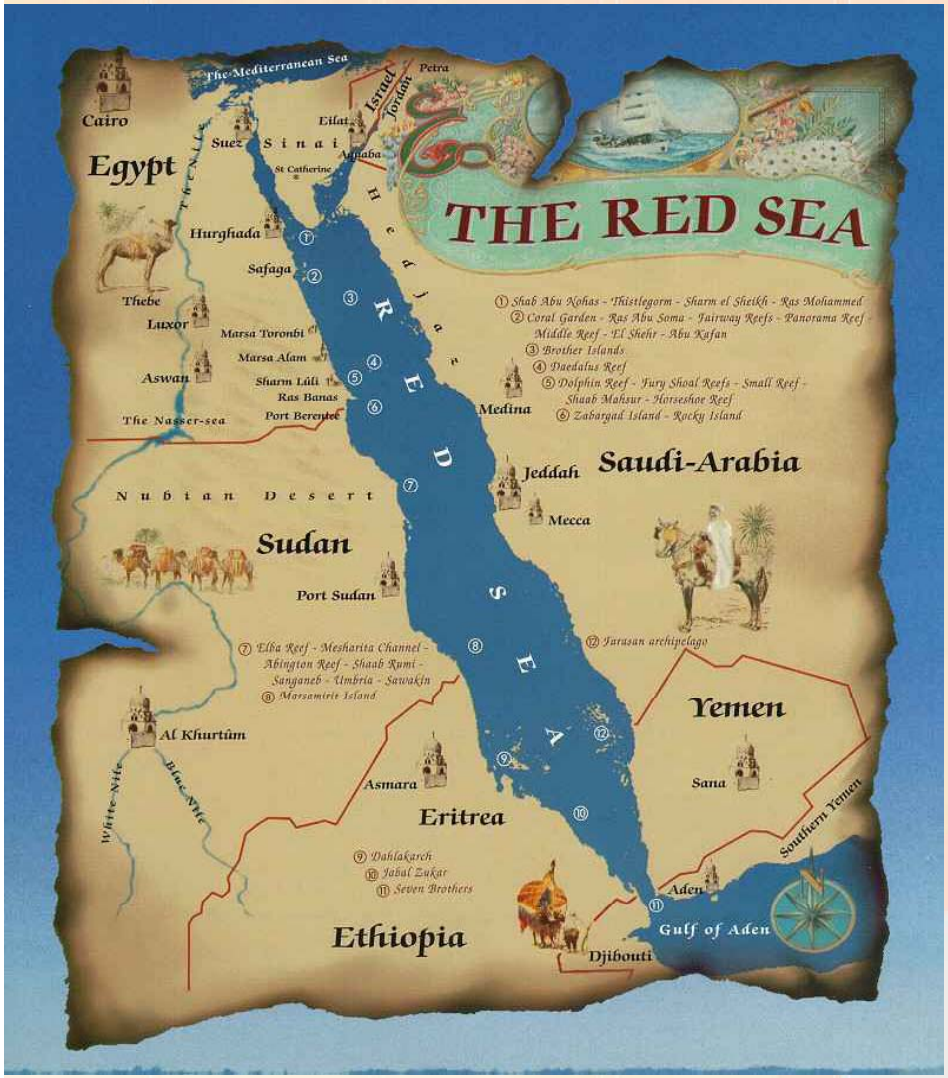



**Create a Smart “Dumb Board”**

# Diagram (Places & Things)

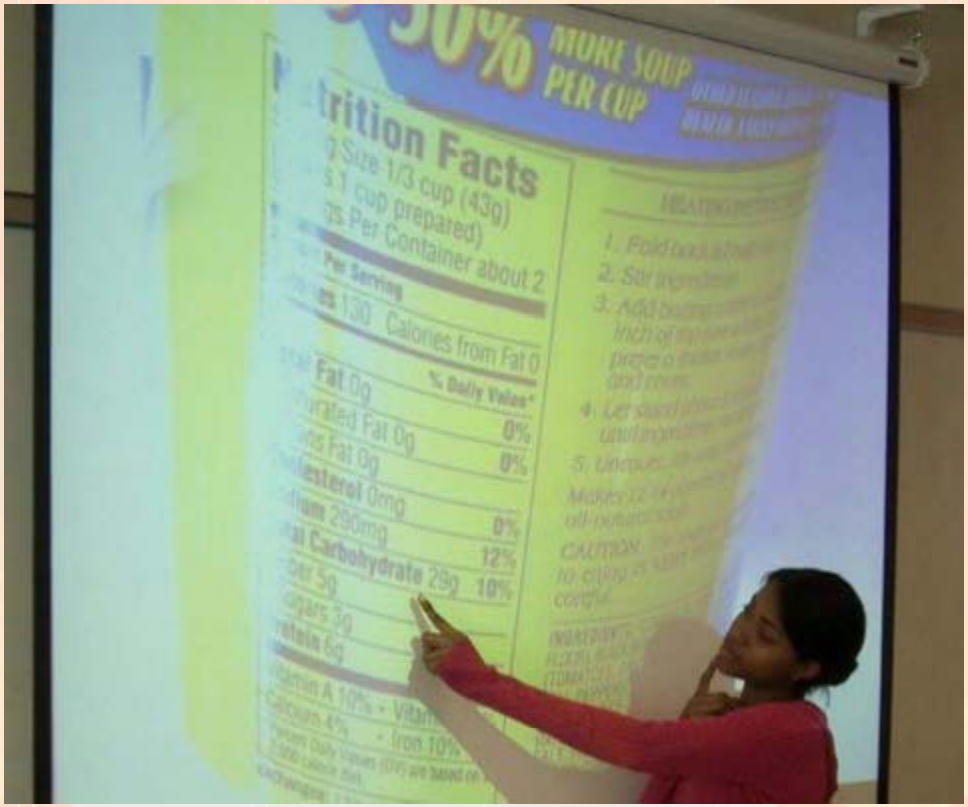


# Display Images



# Nutrition

35-50% MORE SOUP PER CUP
Nutrition Facts


MORE SOUP PER CUP
Facts
Size 1/3 cup (43g)
cup prepared)
Per Container about 2
Calories from Fat 0
% Daily Value*
Fat 0g
0%
0%
Cholesterol 0mg
0%
Carbohydrate 29g
12%
10%

# 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)

www.brainpop.com
http://streaming.discoveryeducation.com/
http://safarimontage.com/

# Download Videos (Realplayer)

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/sJIgjZSLLH

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

# Shoot your own video (Tornado)

# New Technology

## Sumsing Turbo 3000

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

# 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

# Flash Cards

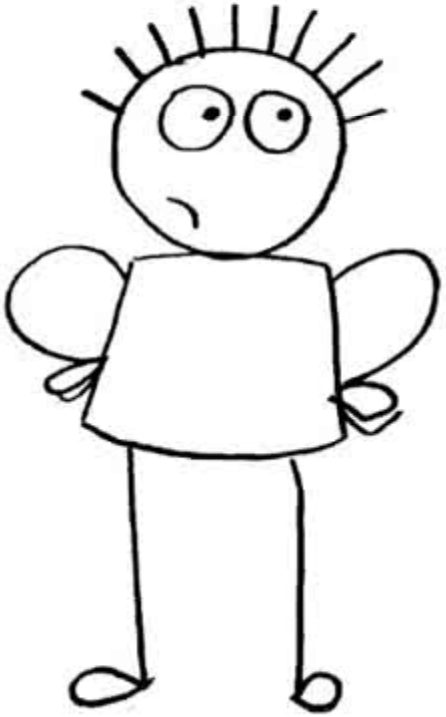
- **Quizlet is a free website that allows users to view, create and share flash card sets online**

- **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/

# 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

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

*http://testmoz.com/*

# Prezi

**Create astonishing presentations**

**live and on the web**

*http://prezi.com/*

# Getting Started with Prezi

# Explore Prezi

http://www.prezi.com/

# eBooks

# 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**

**http://www.ebookhatch.com/shelf/ves**

# Explore eBooks

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

# Take a Virtual Field Trip

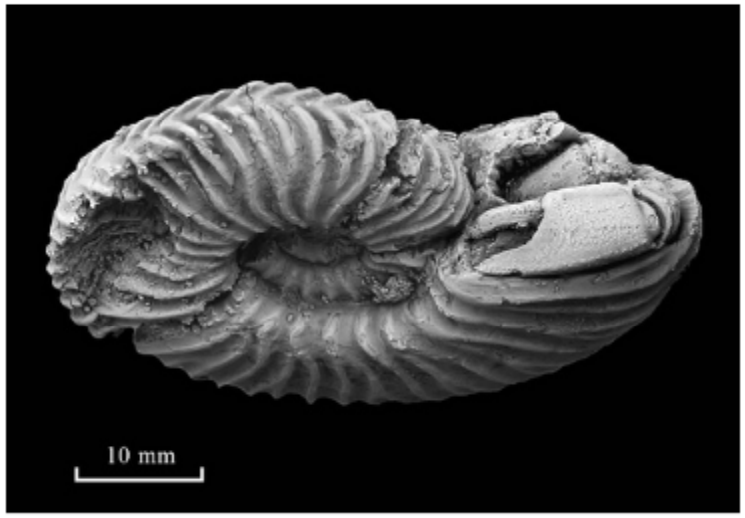
## Google Earth – Are You Geographically Challenged?

**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

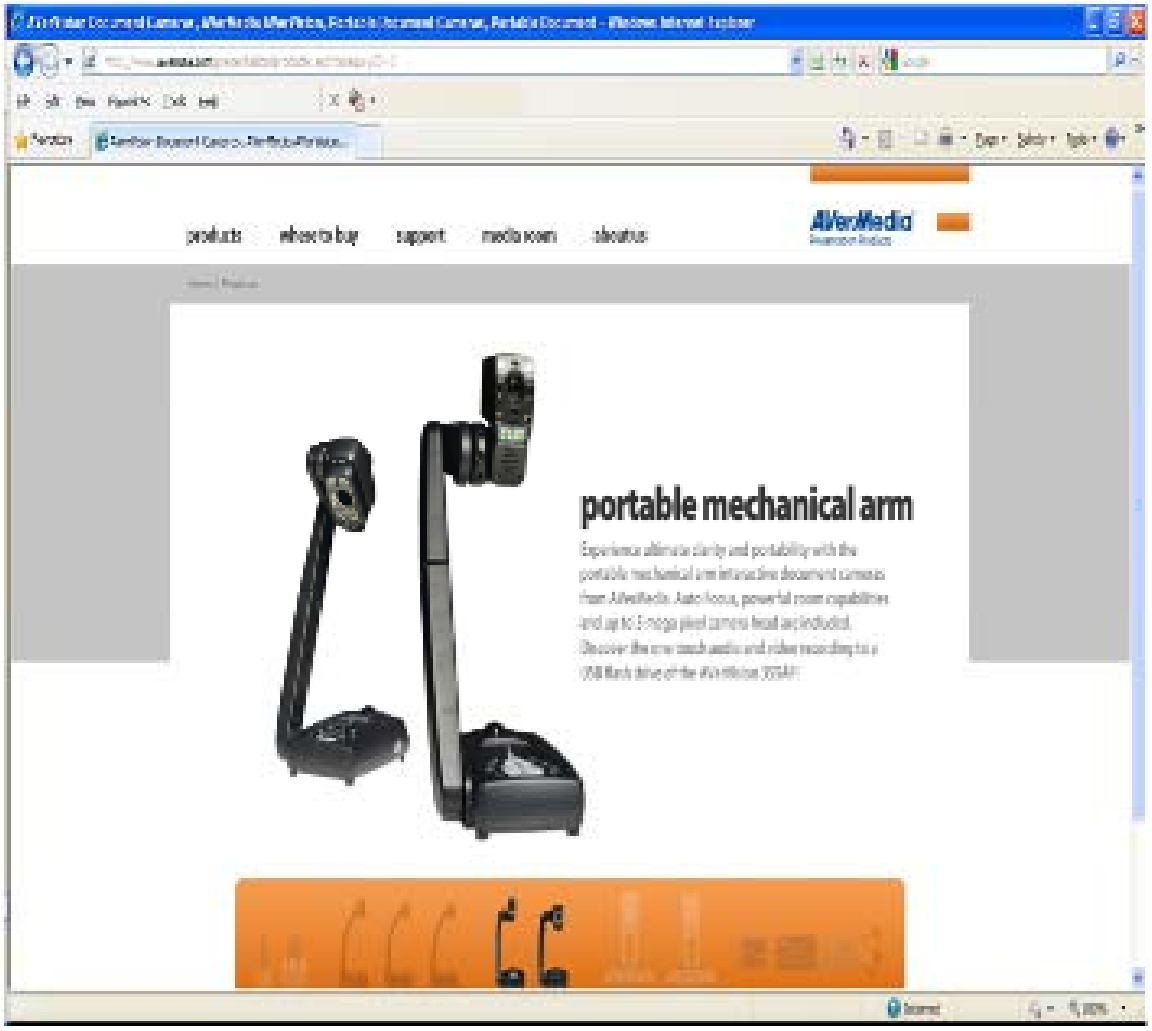
- ***Travel to our location via Google Earth***
- ***Calculate distance***
- ***Examine fossil samples using a microscope***
- ***Link to the web site***

http://poricypark.org/

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

FISKARS

FISKARS


products
where to buy
support
media room
about us
AVerMedia
portable mechanical arm

intel PLAY
60X

# 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

# 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

# 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

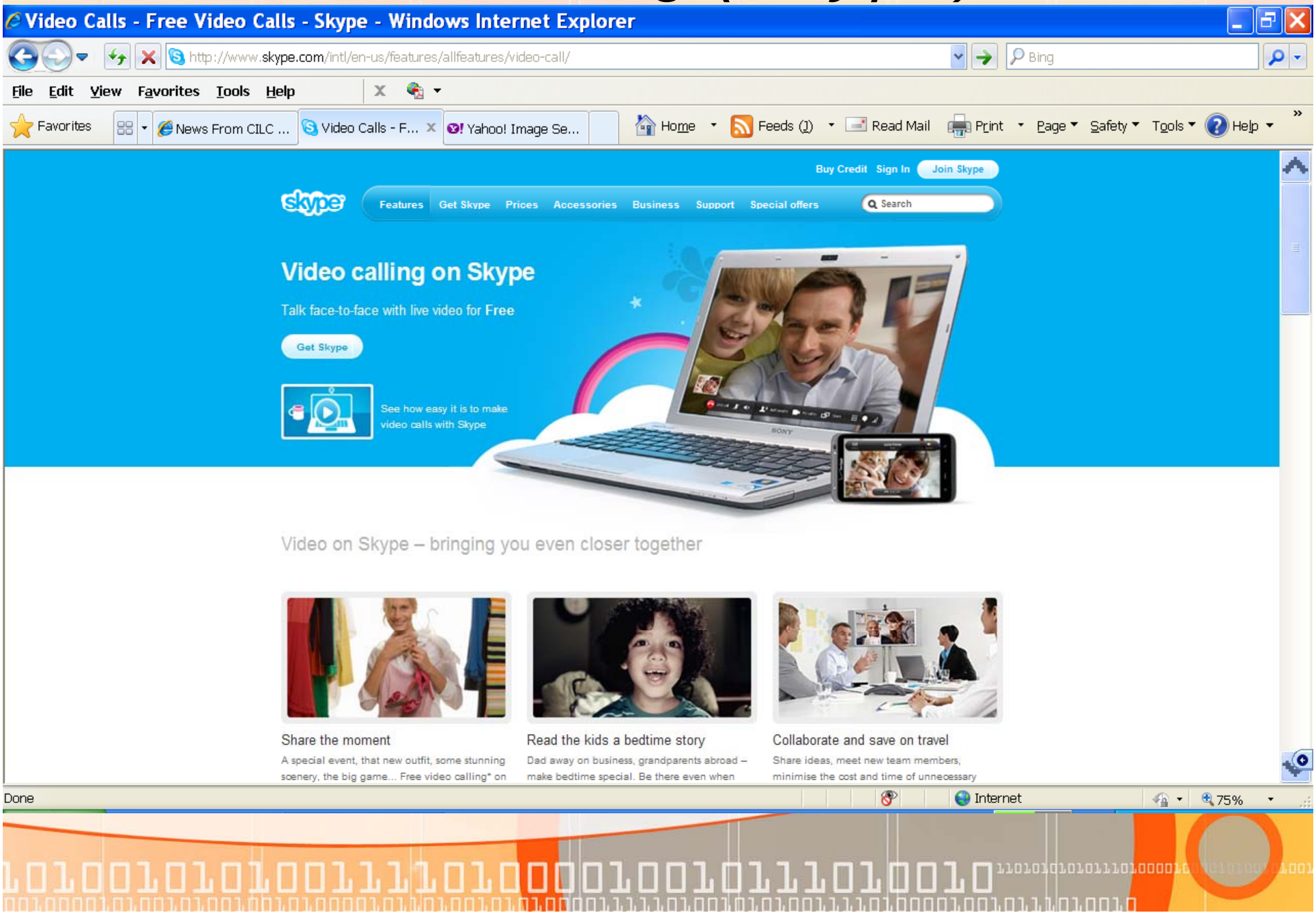
# Rutgers U. Videoconference

# Videoconference

## NASA's Distance Learning Network

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

# Videoconferencing *(Skype)*



# Skype Education

http://education.skype.com/

# Explore Collaborative-videoconferencing Sites

www.mtsd.k12.nj.us/integration