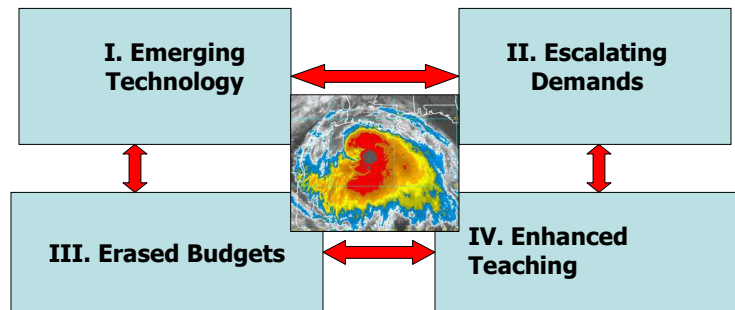


# The Perfect E-Storm: Emerging Technologies, Enormous Demand, and Erased Budgets



**Dr. Curtis J. Bonk**  
Professor, Indiana University  
President, SurveyShare, Inc.  
<http://mypage.iu.edu/~cjbonk/>  
[cjbonk@indiana.edu](mailto:cjbonk@indiana.edu)

## Four Storms Are Approaching!



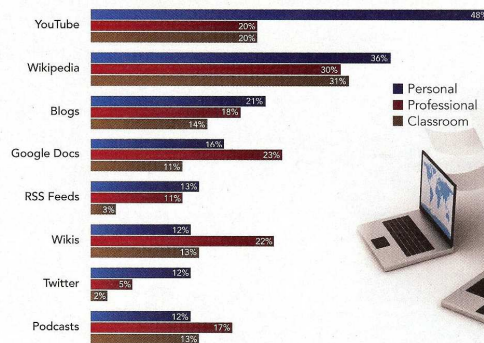
## Storm 1. Emerging Learning Technologies



## Tech & Learning, Nov 2009

Educators are currently using many content-sharing tools personally, professionally, and in the classroom.

TOP EIGHT CONTENT-SHARING TOOLS



From the K-12 Survey of K-12 Educators on Social Networking and Content-Sharing Tools, co-sponsored by edWeb.net, NIMS Education, and MCH, in For a copy of the results, email [survey@edweb.net](mailto:survey@edweb.net). To discuss the results, join the edWeb at [www.edweb.net/survey](http://www.edweb.net/survey).

# 1. New Search Technology (timeline oriented)

The screenshot shows the Google News Timeline interface. At the top, there's a search bar with 'financial crisis' as the query. Below it, a navigation bar allows users to view news from different months: April 1959, May 1959, June 1959, July 1959, and August 1959. The main content area displays a grid of magazine covers from 'TIME' magazine, each featuring a different person's face. Below the covers, there are several news snippets with dates and headlines, such as 'April 6th The 31st Academy Awards ceremony is held' and 'May 1st The first Ten Tons event is held in Denmark'. A second, smaller screenshot of the same interface is overlaid on the bottom right, showing a more detailed view of news articles from April 14, 2009, to April 20, 2009, with various headlines and small images.

# 2. Google Sky

The screenshot displays the Google Earth web interface. At the top, it says 'Explore, Search and Discover' and 'Change language: English'. There are navigation links for 'Home', 'Downloads', 'Products', 'Product Tour', and 'Support'. A 'Download Google Earth (Free)' button is visible. The main heading is 'Explore the sky with Google Earth', followed by a paragraph: 'With about a hundred million stars and two hundred million galaxies, Sky in Google Earth lets you explore the heavens like never before.' Below this is a video player showing a 3D view of Earth from space with a 'You Tube' logo. To the right of the video, there are links for 'Want to learn more?', 'Discuss Sky and share your files in the Google Earth Community', 'See featured files in the Google Earth Gallery', 'Get updates in the Google Earth blog', 'Read help documentation', and 'Still stuck? Visit the Google Earth help group'. At the bottom, there are small globe icons and a copyright notice: '©2007 Google - Home - About Google'.

### 3. iPhone Applications



### 4. Social Networking Gaming (e.g., Farmville)



# 5. e-Book Readers

**Imagine**

**BeyondTextbooks**  
Together...Let's Re-Imagine Instruction

Home | What is BT? | How

**Teach**

**Curriculum Calendars**

- For each grade level and content area.
- Cover all essential standards before AIMS.
- Insures all students have equal access to academic success.

**Formative Assessment**

- Developed by teachers.
- Available for each essential standard.
- Available for real-time math.

As Vail moved from a district of 10,000 students, we labor to articulate all the necessary standards-based curriculum.



# 6. Digital Textbook Projects (Korea)

MINISTRY OF EDUCATION, SCIENCE AND TECHNOLOGY

Digital Textbook Platform Research Schools Status

Introduction From Beginning to Now It Will be Changed This Way

**Digital Textbook**  
School with Digital Textbook is everywhere!!

1 Introduction

2 Digital Textbook

3 Digital Experience

RESEARCH SCHOOLS STATUS

① Login information ② Textbook tap ③ Program icon of digital textbook

④ Status bar




## 7. TED (technology, entertainment and design)



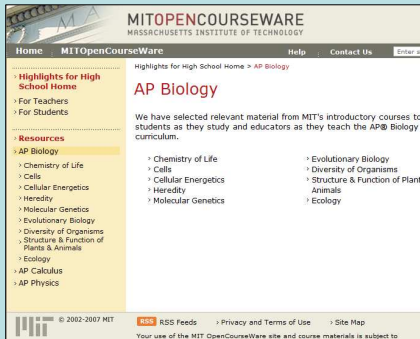
## 8. Live Streaming (e.g., Zoo Animals on Demand)



## 9. OpenCourseWare and OER (MIT Highlights for High School and BLOSSOMS Project)




The screenshot shows the BLOSSOMS website interface. At the top, there are logos for BLOSSOMS (Blended Learning Open Source Science or Math Studies) and MIT, along with flags for the United States, Pakistan, and the United Arab Emirates. A sidebar on the left lists sections such as "BLOSSOMS Video Library", "Upcoming Video Topics", "BLOSSOMS News", "BLOSSOMS Photo Gallery", "MIT LINC Learning International Networks Consortium", "BLOSSOMS Contact Information", and "A Look Inside BLOSSOMS Home". The main content area features a video player titled "The Broken Stick Experiment: Triangles, Random Numbers and Probability".



The screenshot shows the MIT OpenCourseWare website interface. The page is titled "MIT OPEN COURSEWARE" and "HIGHLIGHTS FOR HIGH SCHOOL HOME > AP BIOLOGY". The main heading is "AP Biology". Below the heading, there is a brief description: "We have selected relevant material from MIT's introductory courses to students as they study and educators as they teach the AP® Biology curriculum." A list of resources is provided, including "AP Biology", "Chemistry of Life", "Cells", "Cellular Energetics", "Heredity", "Molecular Genetics", "Evolutionary Biology", "Diversity of Organisms", "Structure & Function of Plants & Animals", "Ecology", "AP Calculus", and "AP Physics".

## 10. Mobile Video Blogging (Stanford, Paul Kim)



The screenshot shows a mobile video blogging interface. On the left, there are two small video thumbnails showing a student writing in a notebook. The main content area features a video player with a "Channel stanford2" header. The video shows a student writing in a notebook with a "VIDEO BLOG" watermark. A chat window on the right displays a list of messages, including "Is someone recording it right now?" and "Tags are used to indicate subject, textbook, page, and problem number, problem title, etc.". The interface includes a "LIVE" indicator, a "PRODUCE" button, and a "CHAT" window.

# 11. Simulations

(e.g., Virtual Astronaut from WisdomTools)



# 12. Global Collaboration (e.g., Flat Classroom Projects!)

(combine blogs, videoconferencing, chat, async discussion, etc.)

## About Us

### International School Dhaka Class Photo

Most of us are in this photo. It is Health and Fitness week here so we are looking at motivating us to work towards our forthcoming holiday. To find out who is doing what





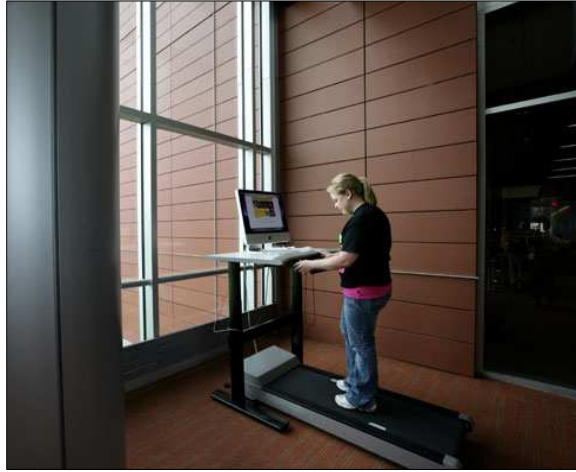
## 13. Global Collaboration continued EPals and iEARN (International Education and Resource Network)



## 14. Interactive Videoconferencing Global Nomads Group <http://www.gng.org/home.html>



## 15. Exercise Learning



## 16. Connexions Growth

CONNEXIONS<sup>®</sup> Log In | Contact Us | Report a Bug | Donate

Home | Content | Lenses | About Us | Help | MyCNX

You are here: Home > Content > Galileo's Telescope

Add to Favorites | Add to a lens | Download PDF | Print this page

**LENSES** What is a lens?

This content is ...

**Affiliated with**

- Featured Content

**RELATED MATERIAL**

**Similar content**

- The Moon
- Hans Lippershey
- Satellites of Jupiter
- More »

**Collections using this module**

- solar system
- Galileo Project
- History of Western Art and Civilization

**RECENTLY VIEWED**

**TAGS**


science space

### Galileo's Telescope

**Module by:** Albert Van Heijden [Email the author](#)

**User rating (2):** ★★★★★ (2 ratings)

**Summary:** A brief history of Galileo's telescope.



**Figure 1:** Johannes Hevelius observing with one of his telescopes. (Source: Selenographia, 1647)

The telescope was one of the central instruments of what has been called the Scientific Revolution of the seventeenth century. It revealed hitherto unsuspected phenomena in the heavens and had a profound influence on the controversy between followers of the traditional geocentric astronomy and cosmology and those who favored the heliocentric system of Copernicus. It was the first extension of one of man's senses, and demonstrated that ordinary observers could see things that the great telescope had not dreamed of. It therefore helped shift authority in the observation of nature from men to instruments. In short, it was the prototype of modern scientific instruments. But the telescope was not the invention of scientists; rather, it was the product of craftsmen. For that reason, much of its origin is inaccessible to us since craftsmen were by and large illiterate and therefore historically often invisible.

Although the magnifying and diminishing properties of convex and concave transparent objects was known in Antiquity, lenses as we know them were introduced in the West <sup>1</sup> at the end of the thirteenth century. Glass of reasonable quality had become relatively cheap and in the major glass-making centers of Venice and Florence techniques for grinding and polishing glass had reached a high state of development. Now one of the perennial problems faced by aging scholars could be solved. With age, the eye progressively loses its power to accommodate, that is to change its focus from faraway objects to nearby ones. This condition, known as presbyopia, becomes noticeable for most people in their forties, when they can no longer focus on letters held at a comfortable distance from the eye. Magnifying glasses became common in the thirteenth century, but these are cumbersome, especially when one is writing. Craftsmen in Venice began making small disks of glass, convex on both sides, that could be worn in a frame—spectacles. Because these little disks were shaped like lenses, they became known as "lenticils of glass," or (from the Latin) lenses. The earliest illustrations of spectacles date from about 1290, and spectacles soon came to be symbols of learning.

**Links** [hide]

**Supplemental links**

- The Biography of Galileo Galilei
- Copernican System
- Hans Lippershey
- Thomas Harriot
- The Moon
- Satellites of Jupiter
- Johannes Kepler

## 17. Mobile Learning



## 18. 'One Laptop Per Child'



## 19. Moodle

(620,000 registered users in 204 countries speaking 78 languages, 2/10/2009)

72327 registered Moodle users

Moodle - 9174 users with pictures (recent visitors are at the top)

Jump to...

The screenshot shows the Moodle website interface. At the top, there is a header with the Moodle logo and a search bar. Below the header, there is a grid of user avatars. The main content area is divided into several sections:

- Main menu:** Includes links for Community Forums, Frequently Asked Questions, Documentation, Download, Languages, Modules and add-ons, Development, Donations, Ratings, Moodle Buzz, and Moodle Sites.
- Site news:** Features two news items:
  - Moodle 1.2 Beta:** Announced by Martin Douglaas on Tuesday, 24 February 2004, 06:34 PM. It states that after months of work, Moodle 1.2 beta is ready for release. It is available from the Moodle download page.
  - Moodle 1.2 Teaser #1:** Announced by Martin Douglaas on Thursday, 12 February 2004, 05:17 PM. It thanks collaborative Moodle developers and mentions that Moodle 1.2 will support embedded mathematics notation.
- Course categories:** Lists English Language, Other Languages, and Demo Courses.
- Advertisement:** A small advertisement for moodle.com.

At the bottom of the page, there is a grid of user avatars, including one labeled 'Harry from Australia'. A mathematical formula is visible at the bottom of the page:

$$\sum_{i=1}^{x+1} \int \left\{ \frac{d}{dx} [(x+1-x)y^* - f(x)]^2 dx \right.$$

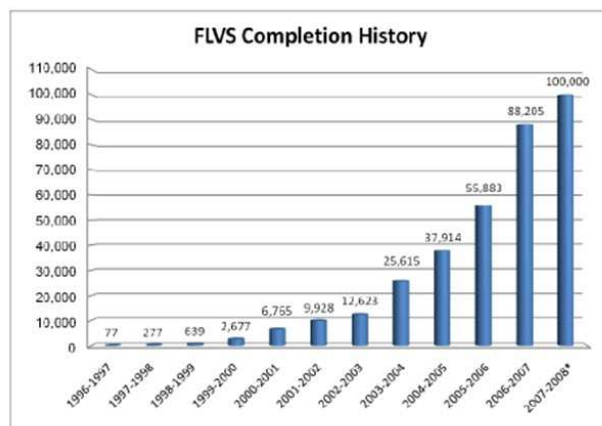
## 20. Text Messaging



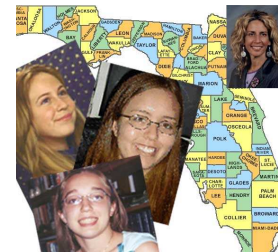
## On to Storm 2... Escalating (Learner) Demands



## Growth of Online Learning in Secondary Schools (Florida Virtual School; AP American History)

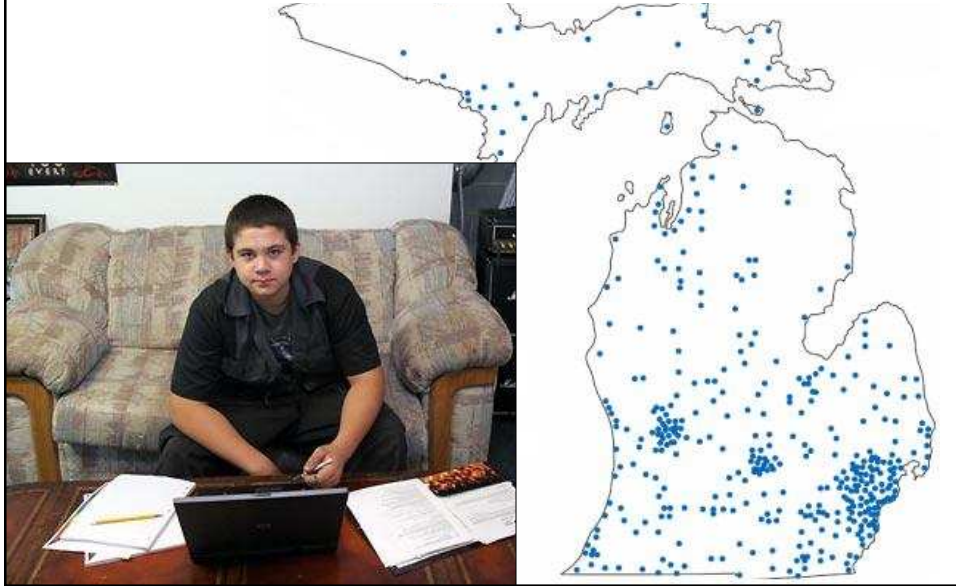


\*Projected completions for 2007-08





# Michigan Virtual School



# Indiana University High School

**INDIANA UNIVERSITY High School**  
a virtual school

**Meet Kathryn**

How can you earn your high school diploma while studying ballet during the day and performing at night? By studying at your own pace through Indiana University High School.

Kathryn Morgan began dancing as a toddler, and studied with the Mobile (Alabama) Ballet before entering the School of American Ballet, the teaching arm of the New York City Ballet, in 2002. She became an apprentice with the New York City Ballet in June 2006 and joined the corps de ballet in February 2007.

With Indiana University High

*"I love the flexibility. I need something that lets me work on my time."*

# Adora Svitak, age 12, World's Youngest Teacher

## Adora's Blog

Adora's Blog features Adora Svitak's thoughts, optimistic dreams, pessimistic predictions, opinions, and a journal of her daily life and memorable events.

### About Me



**NAME:** ADORA SVITAK **LOCATION:** WASHINGTON STATE, UNITED STATES  
 I am an ten-year-old writer and I live in Redmond, WA. I've published one book so far, *Fingers*, and four more are in the works.

[View my complete profile](#)

### Recent posts

[Things I've Learned Recently](#)

[Recently](#)

[Story Written with Videoconferencing](#)

[Students](#)

[Essay written about the election](#)

[An Account of my Trip to the Island of Oahu in](#)

MONDAY, JANUARY 05, 2009

### Things I've Learned Recently

Alas! I haven't updated the blog for ages. Here's my new post about things I've learned:

In history, I've been learning about the Reformation and the Counter-Reformation. The Reformation refers to the movement that pushed for reforms in the Roman Catholic church. In the 1500s, the Catholic





## Keeping Pace with k – 12 Online Learning

### A Review of State-Level Policy and Practice

2007

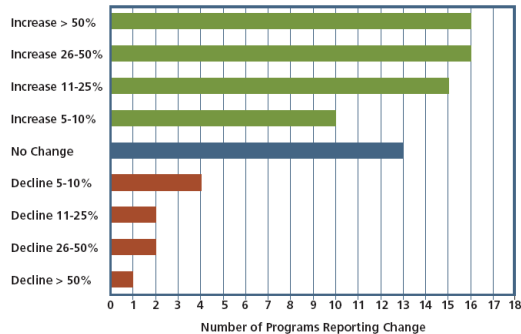


Figure 4: Number of programs reporting percent change in number of course registrations (for supplemental programs) and enrolled students (for full-time programs) between school years 2005-2006 and 2006-2007. One program reported a decline of 50% or higher, 13 programs reported no change, and 35 programs reported increases of 50% or more.

## Tech & Learning, Nov 2009

### FAST FACTS ABOUT ONLINE LEARNING

K-12 online learning is an estimated **\$50 million** market that is growing at an estimated pace of 30% annually.

**44** states have significant supplemental online learning programs, or significant full-time programs (in which students take most or all of their courses online), or both.

**34** states offer state-led programs that are designed, in most cases, to work with school districts to supplement course offerings for students.

**57%** of public secondary schools in the U.S. provide access to students for online learning.

**72%** of school districts with distance education programs planned to expand online offerings in the coming year.

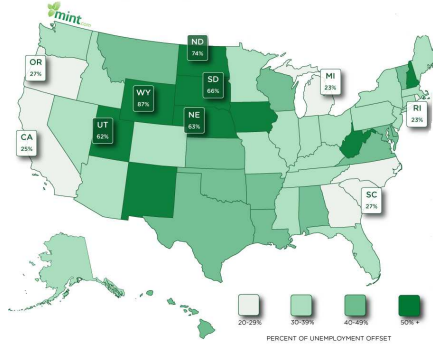
SOURCE: THE INTERNATIONAL ASSOCIATION FOR K-12 ONLINE LEARNING (INACOL), A NON-PROFIT ORGANIZATION THAT FACILITATES COLLABORATION, ADVOCACY, AND RESEARCH TO ENHANCE QUALITY K-12 ONLINE TEACHING AND LEARNING.

## We're in the Midst of Storm 3: Erased Budgets





## STIMULUS BY STATE ESTIMATED JOB CREATION



### Report: 10 states face looming budget disasters

Posted 11/11/2009 4:40 PM ET | Email | Save | Print



Enlarge | by Jeff Chiu, AP

**By Judy Lin, Associated Press Writer**

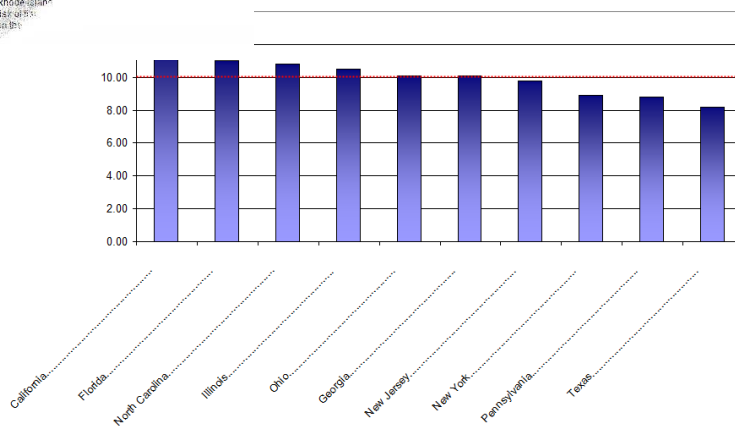
SACRAMENTO, Calif. — A study released Wednesday warns that nine states are barreling toward an economic disaster similar to California's ongoing fiscal crisis that has been marked by IOUs and budget-busting deficits.

The budget woes could mean higher taxes, a loss of government employees, more crowded prisons and fewer services in the coming year for some of the most populous states.

FILE - In this Friday, July 19, 2009 file photo, security guard Sarah Sorgetti works in front of the doors of a closed Department of Motor Vehicles (DMV) office in San Francisco. California's ongoing fiscal crisis has attracted national attention, but a study warns that nine other states are barreling toward a similar economic disaster.

Arizona, Florida, Rhode Island, Michigan, New York, Pennsylvania, Texas, Illinois, Ohio, Georgia, New Jersey, North Carolina, Florida, California.

Unemployment  
www.mybudget360.com





## Obama to Invest in High-Tech Education



## On to Storm 4: Enhanced Teaching (a swirling storm)





## Part I: Some Online Motivational Ideas



38

**We are not motivating students with the technologies that they love**



# TEC-VARIETY Model for Online Motivation and Retention

**Tone/Climate**  
**Encouragement, Feedback**  
**Curiosity**

**Variety**  
**Autonomy**  
**Relevance**  
**Interactive**  
**Engagement**  
**Tension**  
**Yields Products**

## 1. Tone/Climate: (open, inviting) A. Create a Class Wiki (Wikispaces)

The screenshot shows a Wikispaces page for a class named '304sophs'. The page has a yellow header with the site name and navigation tabs for 'home', 'page', 'discussion', 'history', and 'notify me'. A 'Protected' status is indicated in the top right. The main content area is titled 'Welcome to the home of the 304 Sophs!' and contains a paragraph explaining the site's purpose as a repository for class discussion and lecture notes. Below this, there are sections for 'What's on this wiki?' (listing core texts like *To Kill a Mockingbird* and *The Catcher in the Rye*), 'Can I add to this wiki?' (providing instructions for editing and discussion), and 'A Message from England!' (a humorous note about a teacher's donation).

**304sophs** home page | discussion | history | notify me | guest | Join | Help | Sign In | wikispaces

**Welcome to the home of the 304 Sophs!** Protected

This website is an ongoing project being built by School. While it is primarily for use by these students and their families, we hope that teachers or students who find their way here can utilize some of what we create in their own teaching or study of these works.

**About English II**

- Twitter
- Discussions
- Due Dates

**To Kill a Mockingbird**

- Historical Context
- TKAM Class Notes

**The Crucible**

- Dramatic Readings
- Crucible Class Notes

**Macbeth**

- Macbeth Class Notes

**What's on this wiki?**

The English II curriculum centers around the exploration of various social issues via four core texts: Harper Lee's *To Kill a Mockingbird*, Arthur Miller's *The Crucible*, William Shakespeare's *Macbeth*, and J.D. Salinger's *The Catcher in the Rye*. This wiki will act as a repository for weekly class discussion & lecture notes, as well as a "digital bulletin board" for students' literary analysis, research, discussions, and creative projects. Parents, teachers, and community members are invited to stop by and browse the site periodically (you can also subscribe to updates via RSS on the "Notify Me" tab).

**Can I add to this wiki?**

Wikis are a type of website known for their ease of editing by multiple users (e.g., [Wikipedia](#)); however, due to the academic nature of this project, only invited members of this site ( and his English II students) may make changes to the content or layout of this site (at least until the course is over in Jan. 2008). If you would like to ask a question of the group or suggest information to add, please feel free to click on the "Discussion" tab at the top of any page to leave your thoughts.

*Any other questions or comments can be sent directly to*

**A Message from England!**

*Hi folks. As if you people didnt already know, you are very lucky to have such as great teachers! Mr Bariexca kindly donated his 'old' England*

## 2. Encouragement, Feedback, etc.:

### A. Online Self-Testing (e.g., self study in vocabulary, anatomy, chemistry, dissection, etc.)

#### Upper Extremity Muscles

Upper Arm (Lateral)



## 3. Curiosity, Fun:

### A. Virtual Field Trips

USA TODAY

Home News Travel Money Sports Life Tech

Technology Products Science & Space Gaming Wi-Fi Center

#### Web brings national parks closer to kids

Posted 43d ago | Comment (0) | Recommend (0)

By Mead Gruver, Associated Press

CHEYENNE, Wyo. — Standing next to Jenny Lake, park ranger Diane McGee tells students about the plants and animals at Grand Teton National Park. "Very soon, we will have snow falling on the ground," she says. "Winters here are very long. We get up to 200 inches of snow here on the valley floor."

The children, however, can't feel the crisp air or smell the sagebrush. They are hundreds, possibly thousands, of miles away, watching McGee by webcast.

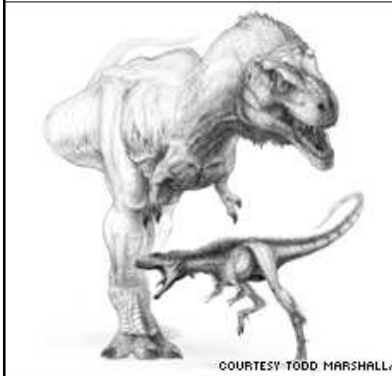
Even as experts blame 21st-century technology for declining interest in national parks, the National Park Service has embraced so-called electronic field trips, an increasingly popular teaching tool in schools nationwide.

"The general thinking is that kids are spending more time

Mix it  
Diggs  
delicio.us  
Newsvine  
Reddit  
Facebook  
What's this?



### 3. Curiosity, Fun: B. Online News (Giant jellyfish, Tiny T. rex, and Ardi)



#### Japanese fishermen brace for giant jellyfish

STORY HIGHLIGHTS  
 • Nomura's jellyfish sea  
 • Species can grow 6 feet  
 • Tears in expensive ne

updated 4 hours, 25 minutes ago

Next Article in World »

By Shelby Lin Erdman  
 CNN Radio

TIME 2:28

(CNN) — Giant jellyfish descend on the Sea of Japan, causing untold devastation to coastal villages and leaving a trail of destruction and human misery behind.



A diver attaches a sensor to a Nomura's jellyfish off the coast of northern Japan in October 2005.

Sounds like a great sci-fi flick. But it's not. It's real and it's a nightmare for Japanese fishermen.

The massive sea creatures, called Nomura's jellyfish, can grow 6 feet in diameter and weigh more than 450 pounds. Scientists think they originate in the [Yellow Sea](#) and in Chinese waters. For the third year since 2005, ocean currents are transporting them into the [Sea of Japan](#).

Monty Williams, a marine biologist at Alabama's Dauphin Island Sea Lab, said the jellyfish grow to an enormous size as they are transported by ocean currents. He said they stay together in packs and as they drift northward, they get caught in fishermen's nets.

The giant jellyfish are one of about 200 species of coastal jellyfish, or large jellyfish that exist around the

### 4. Variety, Novelty: A. Free Text Chats



Dec 17, 2007 Today's Pictures

#1 Female is on the nest 	#2 Both parents are near the nest 	#3 The male is on the nest. 
#4 The male is nesting 	#5 The female is on the nest. 	#6 The female is on the nest. 

**5. Autonomy, Choice:**  
**A. Online Literature Search**  
**(Class Google Jockeys)**



**5. Autonomy, Choice:**  
**B. Clickers; Innovation is but one click away...**





## 6. Relevance, Meaningfulness: A. 60 Second Recap

The screenshot shows the '60 Second Recap' website interface. At the top, there's a navigation bar with 'the library', 'club recap', 'pick of the week', and 'recap resource'. Below that, a video player is titled '5: meet the cast'. The video content is a hand-drawn diagram showing relationships between characters in 'Great Expectations': Orlick, Biddy, Mr. Jaggers, Pip's Sister, Miss Havisham, Pip, Estella, Compeyson, Drumme, and Magwitch. Arrows indicate connections between these characters. To the right of the video, there's a sidebar titled 'recaps for this book' with a list of video thumbnails: '5: Meet the Cast', '6: Context', '7: Theme 1', and '8: Theme 2'.

## 7. Interactive, Collaborative: A. Collaborative Documents (Google Docs)

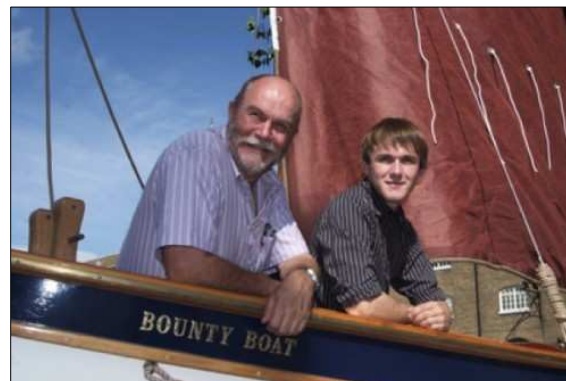
The screenshot shows the Google Docs interface. At the top, it says 'Google docs Google Docs' and 'saved on 12/1/09 4:14 PM'. Below the menu bar (File, Edit, View, Insert, Format, Table, Tools, Help), there's a toolbar with various editing options. The main content area shows a document titled 'Google Docs' with the text 'From Wikipedia, the free encyclopedia' and 'An example of a document in Google Docs'. Below this, there's a table with 8 rows and 3 columns:

	A	B	C
1	Cheese	Sausage	Crackers
2	Munster	Summer	Ritz
3	Cheddar	Breakfast	Triscuit
4	Swiss	Kielbasa	Saltine
5	Mozzarella	Mortadella	Melba Toast
6	Edam	Salami	Wheat Thins
7	Gouda	Sweet Italian	Goldfish
8			

To the right of the table, there's a preview of a 'Google Presentation' slide with the text 'Google Presentation' on a blue background with a green border.

## 7. Interactive, Collaborative: Interactive, Collaborative: B. Instructor Wiki portal page

## 8. Engagement, Effort: A. Follow Online Adventure



**ZAC'S BLOG**

MY NAME IS ZAC UNDERHARD AND I AM 17 YEARS OLD. I DEPARTED JUNE 14TH FROM MARINA DEL REY, CALIFORNIA IN AN ATTEMPT TO BECOME THE YOUNGEST PERSON TO CIRCUMNAVIGATE THE WORLD ALONE BY FOOT. 2009 ZAC UNDERHARD ALL RIGHTS RESERVED.

Posts by Google: [Home](#) [Zac's Blog](#) [Facebook](#) [Zac's Blog](#) [LinkedIn](#)

THURSDAY, JUNE 11, 2009

**Another Sleepless Night**

Position: 06.11.09 17:02 15.26.8508 97.04.512W

I managed to get everything sorted out in Huahalo and was out of the marina by about 1:00 in the afternoon. I started my way out of the tricky entrance by following my old track on the chart plotter. When I got out of the harbor I had planned for 45 knots on the water.

ABOUT ME: ZAC, MARINA DEL REY, CALIFORNIA, UNITED STATES. [VIEW MY COMPLETE PROFILE](#)

LINKS

## 9. Tension, Challenge, etc.:

### A. Ethical Medical Debates



## 10. Yields Products, Goals:

### A. Movie Festivals, Concept Maps, Video Blogs, Virtual Timelines, Digital Movies

**Educational Uses of Digital Storytelling**

Home Page Introduction Goals and Objectives Getting Started Examples Tools Evaluation Resources Partners

**Stories for History and Social Studies**

Although personal narratives can include historical information to add context to a story, a different kind of digital story can be created from historical material that students might explore in a classroom.

Back to the Moon	Aung San Sun Kyi - Standing Up for Democracy in Burma
The Gettysburg Address	Exit Path
Hitashima	The Dustland
The Holocaust	

**YouTube**  
Broadcast Yourself™

Home Videos Chan Videos

**Deloitte Film Festival - Behind the Scenes**

Rate: ★★★★★ 3 ratings Views: 630

## Addressing Learning Styles

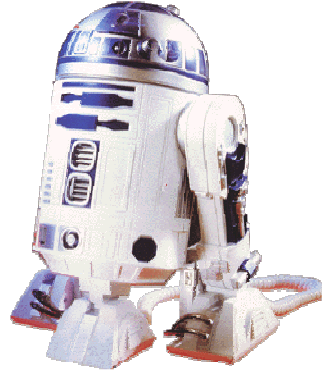


## The R2D2 Model



## The R2D2 Method

1. Read (Auditory and Verbal Learners)
2. Reflect (Reflective Learners)
3. Display (Visual Learners)
4. Do (Tactile, Kinesthetic, Exploratory Learners)



## 1. Auditory or Verbal Learners

- Auditory and verbal learners prefer words, spoken or written explanations.





## Read 1a. Kids Podcasts

The screenshot shows the WillowWeb website interface. At the top, there is a navigation bar with links for Home, K, 1st, 2nd, 3rd, 4th, and 5th. The main content area features a central logo for "Radio WillowWeb" with the tagline "Radio For Kids, By Kids". To the right, there is a "Listen" section with a headphones icon and a player for "Podkids Australia Episode 4 (April 2006)". The player includes a search bar, a play button, and a progress bar. Below the player, there is a calendar for April 2006 and a "Podcast" section with a list of episodes.

## Reflect on the Following Questions:

1. Have you listened to a podcast?
2. Do you listen to a certain podcast on a regular basis?
3. Have you created a podcast?
4. Have you created a vodcast?
5. Do you think podcasting is simply more talking heads?

## Read 1b. Art and History Exhibits



## Read 1c. Wiki Steps on How to do Something: Wikihow

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

wikiHow  
The How-to Manual That You Can Edit

Home > Categories > Communications > English Grammar

Create a Page | Random Article

Article | Discuss | Edit | History | Bookmark

### How to Use English Punctuation Correctly

With the dawn of the internet, the birth of internet slang, and the growing age of SMS, many individuals are forgetting the fundamental aspects of English punctuation. Would you like to write a great paper for one of your classes? Maybe you need to submit a polished, impeccable proposal to your boss? If so, it will help to know proper usage of punctuation. Consider this article a crash course in English punctuation, and read on.

The PLAINPEDIA has a heck 'o' full and a damn 'o' full. This strange looking animal can hold it's little ass in water for 10 minutes while resting.

#### Steps

- End your sentences with a period (**full stop**), question mark, or exclamation point (**exclamation mark** or **shout mark**).
  - Use the **period (full stop)** to denote a full stop at the end of a statement. The period ( . ) is one of the most commonly used punctuation marks.
    - The accessibility of the computer has increased tremendously over the past several years.
  - The **question mark ( ? )**, used at the end of a sentence, suggests an interrogatory remark or inquiry.
    - What has humanity done about the growing concern of global warming?
  - The **exclamation point (exclamation mark, shout mark)( ! )** suggests excitement or emphasis in a sentence.
    - I can't believe how difficult the exam was!
- Use the semicolon and colon properly.
  - The semicolon ( ; ) is a full stop.

Related wikiHows

- Avoid Colloquial (Informal) Writing
- Use Apostrophes
- Use Question Marks Correctly
- Use a Dictionary

Ads by Google

Comma Punctuation  
Punctuation Basics  
Colon Punctuation  
Punctuation Marks

Ads by Google

Punctuation  
Fix & Enrich English Text  
Wacky Dedicated Writing Tool-50% Discount.  
www.WhiteSmoke.com

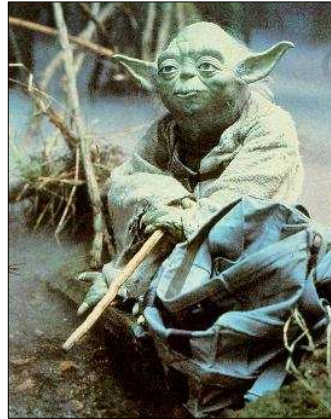
A Grammar Book  
That's Fun  
"Yee-ha," the friendly bestseller that's really in plain English!  
www.grammarphobia.com

English Grammar Resource  
Individualized resources for mastering grammar basics  
www.ConFl.com

Learn English in America

## 2. Reflective and Observational Learners

- Reflective and observational learners prefer to reflect, observe, view, and watch learning; they make careful judgments and view things from different perspectives



## Reflect 2a. Partner & Team Blogs (especially English writing class)

### Mrs. Huff's English Classes

FRONT PAGE
ARCHIVES
ABOUT
NOTES
HANDOUTS
SUMMER READING
SUBSCRIBE

CONTACT

#### Miller's English 10 Classroom Blog

We read, we think... we post.

02 NOVEMBER 2009

War and Peace  
**This is the second blog posting for the A Separate Peace unit and is due before class starts on Tuesday, Nov. 10.**  
 A Separate Peace takes place during the beginning of World War II. In chapter six, Gene declares that "Peace had deserted Devon."  
 Just what does that mean? How does the war play a significant role in the novel? How about peace?  
 For your assignment, you need to write a response to those questions in the comments. Your response should explain what you believe that passage to mean in context of the novel and a discussion of how war and peace play a role in the novel.  
 For students who have read *The Rise Runner*, you have an option with this response. You can write about *A Separate Peace* or apply these questions to *The Rise Runner*.  
Posted by Mr. Miller on Thursday, November 05, 2009 • 11 comments

**The English 10 Blog**

This blog is designed for Mr. Miller's English 10 IB ELA. Here you will find regular information, assignments, and homework prompts related to our classwork in English 10. Additionally, just below here you will see some links and other resources you might find useful.

It is also important to note that all work you complete on this page and on your personal blog must adhere to the [Branford Public School's acceptable use policy](#) for computer use.

**Some handy links**

- [The latest assignment calendar](#)
- [Classroom wiki resource page](#)

**OFFICE HOURS**

- Tuesdays, 7:20-7:40
- Thursdays, 11:45-12:27 (Learning Center)
- Other times by appointment

**FACEBOOK**

**Weekly Di**  
November 8th, 2009

- [BBC - R](#)

In honor  
Scotland  
Burns' w

Tags: [bu](#)

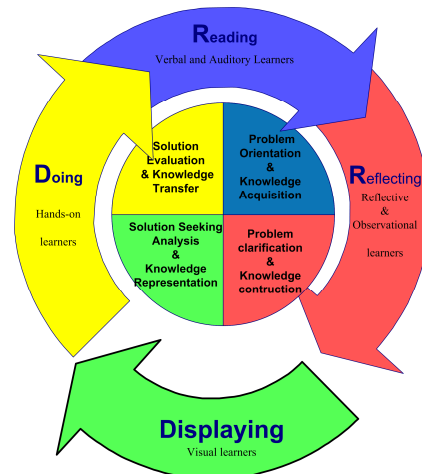
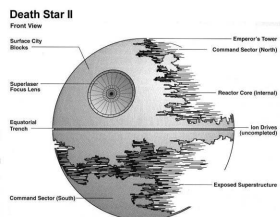
Tags: [bu](#)

## Reflect 2b. ORL or Library Day



## 3. Visual Learners

- Visual learners prefer diagrams, flowcharts, timelines, pictures, films, and demonstrations.



## Display 3a. Online Timelines (US Presidents)

**THE PRESIDENTIAL TIMELINE**

**INTRODUCTION**

1880 1890 1900 1910 1920 1930 1940 1950

31

32 Franklin D. Roosevelt

33

34 Dwight D. Eisenhower (1890-1969)

John F. Kennedy (1917-1963)

Lyndon B. Johnson (1908-1973)

Richard Nixon (1913-1994)

Gerald Ford (1913-2006)

Jimmy Carter (b. 1924)

Ronald Reagan (1911-2004)

George H. W. Bush (b. 1924)

William Jefferson Clinton (b. 1946)

**THE PRESIDENTIAL TIMELINE**

**FRANKLIN D. ROOSEVELT**

**EARLY LIFE AND CAREER**

FRANKLIN D. ROOSEVELT

President Clinton was born William Jefferson Clinton on August 19, 1946, in Hope, Arkansas. When he was 10, his father died in a traffic accident. When he was 16, his mother and his father and Roger Clinton, of the famous Arkansas high school football family.

**THE PRESIDENTIAL TIMELINE**

**WILLIAM JEFFERSON CLINTON**

**WILLIAM JEFFERSON CLINTON**

During the Clinton administration, the U.S. signed several peace and economic deals during the 1990s. He was the first Democrat to be elected president in 1992. Bushnell is a well-known name in the world of the 19th century.

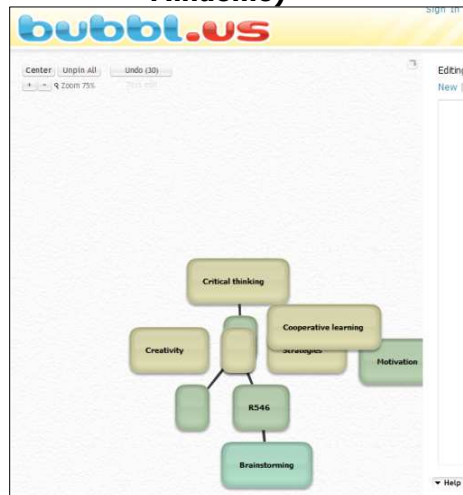
## Display 3b. Video iPod Vocabulary Training





## Display 3c.

### Concept Mapping and Timeline Tools (VUE, Bubbl.us, Cmap, Freemind, Gliffy, Mindmeister, or Mindomo)



## Display 3d. United Nations Opens World Digital Library

The screenshot displays the United Nations World Digital Library homepage. At the top, there is a navigation bar with the "WORLD DIGITAL LIBRARY" logo, a "LANGUAGE" dropdown menu set to "English", and a "BROWSE" section with links for "Place", "Time", "Topic", "Type of Item", and "Institution". A "SEARCH" bar is located on the right. The main content area features a world map with regional filters: "NORTH AMERICA" (+ 133 Items), "LATIN AMERICA AND THE CARIBBEAN" (+ 320 Items), "AFRICA" (+ 122 Items), "OCEANIA AND THE PACIFIC" (+ 31 Items), "EAST ASIA", and "WEST ASIA". A central pop-up window displays details for a book titled "Korea", including a description, language, and author information. At the bottom, a timeline navigation bar shows years from 8000 - 499 to 1950 +.

## Display 3e. Online Historical Document (e.g., Turning The Pages, British Library)



## Display 3f. Online History Portals and Resources (Civil Rights Digital Library and Amistad)

**CIVIL RIGHTS DIGITAL LIBRARY**  
DOCUMENTING AMERICA'S STRUGGLE FOR RACIAL EQUALITY

Home About Help

UGA LIBRARIES DIGITAL LIBRARY OF GEORGIA GALILEO THE NEW GEORGIA ENCYCLOPEDIA Walter J. Brown Media Archives & Peabody Awards Collection

**BASIC SEARCH**

Go

[Advanced Search](#)  
[Previous Results](#)

**BROWSE**

[Events](#)  
[Places](#)  
[People](#)  
[Topics](#)  
[Educator Resources](#)  
[Media Types](#)  
[Contributing Institutions](#)  
[Collections A-Z](#)

Welcome to the Civil Rights Digital Library

The struggle for racial equality in the 1950s and 1960s is among the most far-reaching social movements in the nation's history, and it represents a crucial step in the evolution of American democracy. The Civil Rights Digital Library promotes an enhanced understanding of the Movement by helping users discover primary sources and other educational materials from libraries, archives, museums, public broadcasters, and others on a national scale. The CRDL features a collection of unedited news film from the [WSB](#) (Atlanta) and [WALB](#) (Albany, Ga.) television archives held by the [Walter J. Brown Media Archives and Peabody Awards Collection](#) at the [University of Georgia Libraries](#). The CRDL provides [educator resources](#) and contextual materials, including [Freedom on Film](#), relating instructive stories and discussion questions from the Civil Rights Movement in Georgia, and the [New Georgia Encyclopedia](#), delivering engaging online articles and multimedia.

**FROM THE COLLECTION**

CRDL is a [partnership](#) among librarians, technologists, archivists, educators, scholars, academic publishers, and public broadcasters. The initiative receives support through a National Leadership Grant for Libraries awarded to the University of Georgia by the [Institute of Museum and Library Services](#).

## Display 3g.

### Download and Use Online 3D Sketches (Google SketchUp; download <http://sketchup.google.com/3dwarehouse>)

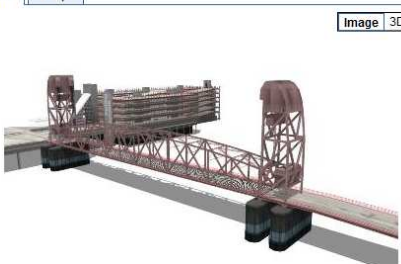
Google 3D warehouse  Models  [Advanced Search](#)

[ilesoft's models](#) > [ilesoft's bridges](#) > Roosevelt Island Bridge & Motorgate Parking

**Roosevelt Island Bridge & Motorgate Parking**

History

Image



Made with Google SketchUp

This model was made with SketchUp, a 3D modeling tool from Google. [Learn more >](#)

Collections containing this model

[ilesoft's bridges](#)

Related items

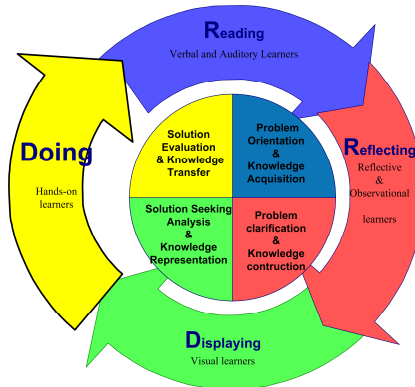
More models by [ilesoft](#):

Views: 946 (133 in 7 days)

Downloads: 340 (52 in 7 days)


## 4. Tactile/Kinesthetic Learners

Tactile/kinesthetic senses can be engaged in the learning process are role play, dramatization, cooperative games, simulations, creative movement and dance, multi-sensory activities, manipulatives and hands-on projects.



## Do 4a. Student Podcast (in schools—kids have power!)

**Steve and Nick**



[Listen to our Song](#)

Topic: Water Pollution  
Vocabulary: Predator, Prey, Population, Communities, Decomposers

We'll be back another time

### Water's End


Imagine all the people that would suffer  
Even you would be down on your knees,  
We thought Mother Nature was a liar,  
Now all she's saying is...

Hundreds of people die in the same  
Cause the toxicated water we drink  
Bodies of water can even go up in fl  
Cuz' the trash we throw into the river

It all became an issue in 1969,  
Ever since then we just tend to recl  
You'll never know what'll happen in 2  
The only water left will be everybody

Imagine all the people that would suf  
Even you would be down on your kne  
We thought Mother Nature was a liar  
Now all she's saying is...

Please do what you can with the time that is given  
When the water is gone, there's nothing to be hidden.  
The people are the **predators**, and we're like the **prey**.  
And it's hard to believe that we can't even say, that  
We're the only reason the **population** is this way,  
The **communities** don't know that someday we'll pay,  
The **decomposers** are constantly getting a workout,  
Because of them it might not be wiped out.



## Do 4b. Wikis for Students to Share

**wikia**  
EDUCATION

High School  
Online  
Collaborative  
Writing

Search High School Online Wikia

High School Online  
Collaborative Writing

Explore the wiki

New pictures

Recent blog posts

Imperialism and resistance in  
the Caribbean

Keywords

Community

Create a new article

Upload a new image

Recent changes Random page  
Help Special pages

Latent activity

Create a new wiki Log in Create an account

Edit this page History Share this article Article Discussion

### New York City Writing Project


Welcome

The New York City Writing Project (NYCWP) established in 1978, is the oldest program of the Institute for Literacy Studies at Lehman College, The City University of New York. As an affiliated site of the National Writing Project, the NYCWP is part of a network of over 185 university-based programs which seek to improve K-16 education through professional development, site-based services and research studies in the field of literacy!

Wiki Initiatives and Projects

#### Soda Can Trick


It is possible to utilize center of mass to make a soda can balance on an edge. When there is only one-third of the soda left in the can, the soda can be balanced upon one edge because its center of mass would fall within the base of support when tilted.



Center of mass can make a soda can seem to defy gravity.

#### Trivia

- The center of mass of a human body is at the pelvis area.
- The center of mass of the solar system (when all planets are aligned collinearly) is about 2 solar radii from the sun's center.
- The center of mass of a rectangle is at the intersection of the two diagonals.
- Alexander Calder, the inventor of mobiles, is famous for his sculptures that allow gusts of wind to arrange their elements. The structures of his mobiles are rearranged but the center of gravity always falls within the base of support (i.e. the pivot point).
- Archimedes introduced the concept of center of gravity. He demonstrated that a single point on a lever is exerted the same amount of torque as weights resting at various points of the lever. He also developed methods to find centers of masses of regular shapes such as a triangle and hemisphere.



A balancing bird relies upon center of mass to delight its audiences.

## Do 4c. Junior Wikibooks

### Current Titles

There are currently more than a dozen Wikijunior books and hundreds of modules within those books being readied for publication. For information on creating new titles see the [New Title Policy](#). You can also help decide which title should be developed next by voting.



### Discovery and Innovation

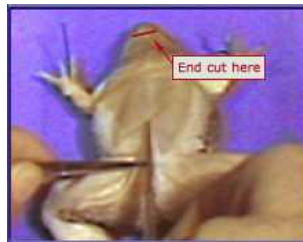
The Elements -- Fun Science Experiments

### The Natural World

Big Cats -- Bugs -- Dinosaurs -- Human Body

### Our World of People

## Do 4d. Hands-On Frog Dissection (Net Frog, Univ. of Virginia)





## Do 4e. Online Performances Virtual Worlds/Reality/MMOG

(e.g., Shakespeare plays reenacted)



## Recap of the Perfect E-Storm....

1. Emerging Technology
2. Escalating (Learner) Demands
3. Erased Budgets
4. Enhanced Teaching



**How many ideas did you get from the second part of this talk?**

- a. None—you are an idiot.**
- b. 1 (and it is a lonely #).**
- c. 2 (it can be as bad as one).**
- d. 3-5**
- e. 6-10**
- f. Higher than I can count!**

**Try the R2D2 Method!!!  
Try TEC-VARIETY!!!**

**Sample papers :**

**<http://www.publicationshare.com/>**

**Archived talks:**

**<http://www.trainingshare.com/>**

