

New Tools for Schools:
**Developing Creativity and
 Critical Thinking Skills**

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Presentation : 2012 1-156
PRESENTATION P. 20-33

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Digital Journey - Dr. Howie DiBlasi

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[Video Cast Archive](#) 21st Century Skills Comments and Testimonials 20 Best Searching Sites Downloads/Workbooks

WWE 2 Credits Google Projects Glogster Projects Video & Photos Cyberbully Digital

Home Page Twitter: hdblasi [Did You Know \(I Video\) Link HERE!](#)

Deliver Powerful Presentations and Compelling Content

Howie DiBlasi e-mail: howie@frontier.net - Digital Journey 828 River Walk Georgetown, TX., 78633 810-148-0790

Download of the WEEK - BLC11 2011 -

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Speaker/Presenter Credentials: **Is My Life An Obligation or An Opportunity?**
 Dr. Howie DiBlasi was recognized as "Vocational Teacher of"

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edutopia

THE MARSHALL LEVINE EDUCATIONAL FOUNDATION

What Works in Public Education

Integrated Studies Project Learning Technology Integration Teacher Development Social and Emotional Learning Assessment

Spotlight

In Harmony's Way
 Curriculum integration can produce far more than the sum of its parts. See what the Edutopia community thinks.

Featured Video

Common Sense
 More collaboration, critical thinking, and knowledge retention are the fruits of an integrated curriculum. Play Entire Video Read Article Visit Our Video Library

Advertisement

TRIP
 This award-winning book series... the chance to participate in a unique, high-tech professional development... also having experience.

Opening Doors to
 International Education

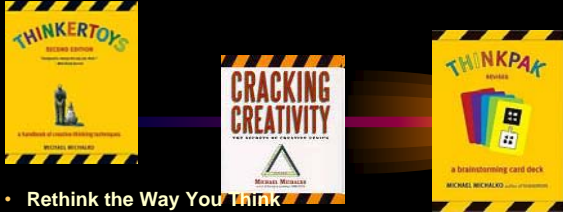
WIRED
<http://www.wired.com/magazine/>

FAST COMPANY
<http://www.fastcompany.com/>

- Pearson, Blackboard, And Education's New "Openwashing"

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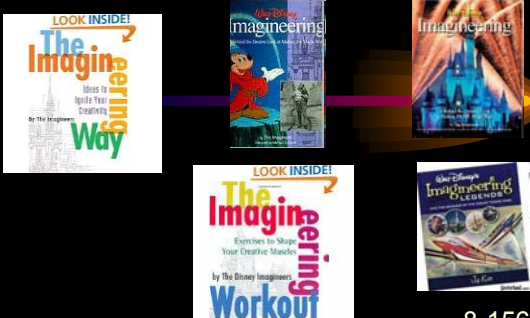
Creative-Thinking Techniques (2nd Edition)



- Rethink the Way You Think
- Michael Michalko reveals life-changing tools that will help you think like a genius.
- Techniques for approaching problems in unconventional ways.

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The Imagineering Workout /Way The Disney Imagineers



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The WHY?

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How have you succeeded in fostering creativity, critical thinking and innovation, while also meeting curricular objectives?

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Marc Prensky, , writes

“Our teaching should instead focus on the verbs (i.e. skills) students need to master, ...that learning depends on skills instead of tools....”

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•Skills

- Tools
- Projects

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- **A. 21st Century Skills** --- How much (if any) of our curriculum is centered on authentic problem-solving, teamwork and information literacy? According to this article, the [New Commission on the Skills of the American Workforce](#) which rethinks K-12 education to help students be successful in the global economy.
-
- **B. Skills for success:** So what skills do employers seek in their graduate recruits? There are some capabilities commonly valued by most graduate employers. Academic achievement is obviously important, but it is not everything. Core skills which employers seek include:
-
- C. The **Partnership for 21st Century Skills** is a national organization that advocates for 21st century readiness for every student.
-
- **C. I.S.T.E. NETS (National Educational Technology Standards)**
- Administrators - Students - Teachers

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What do we mean by 21st Century Skills ?

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ISTE RELEASES 2012 U.S. EDUCATION TECHNOLOGY PRIORITIES

- (ISTE) today released its [policy priorities for 2012](#) identifying the top three essentials we believe every student should have.

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- **Great teachers and principals.**
- All students should have access to educators who use modern information and communication tools and digital content to support student learning in all content areas. Teachers and principals require relevant digital resources and relevant 21st century professional development to deliver on that essential promise.
-
- **An education that provides true college and career readiness.**
- We must effectively engage student learning through new instructional approaches and new technologies, **with teachers demonstrating the relevance of a 21st century education.**
-
- **Access to broadband, both at school and at home.**
- We must continue our national commitment to closing the digital divide and ensure that all students have access to affordable broadband in their classrooms and at home.

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Future Work Skills 2020

Skills that will be in demand in 2020

- **creative collaboration** (with the ability to work with others to generate ideas and solve problems)
- **extreme longevity** (the ability to work for 40+ years)
- **computational world** (the ability to work in a world where information is processed and analyzed by computers)
- **superstructured organizations** (the ability to work in organizations that are highly structured and have a clear hierarchy)
- **use of smart machines and systems** (the ability to work with intelligent machines and systems)
- **new media ecology** (the ability to work in a world where information is shared and consumed through digital media)
- **globally connected world** (the ability to work in a world where information is shared and consumed across global boundaries)

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10 Important Skills Students need for the Future

- Research by the [Institute for the Future](#)
- Report entitled "[Future Work Skills 2020](#)"
- Preparing for a specific career area based on content is difficult
- Students should be developing certain broad skills.
- Skills are important for our students to learn.
- Explains each of the skills in detail, and also goes into the implications for education and policies.

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- **Sense-making.**
Ability to determine the deeper meaning or significance of what is being expressed
- **Social intelligence.**
Ability to connect to others in a deep and direct way, to sense and stimulate reactions and desired interactions
- **Novel and adaptive thinking.**
Proficiency at thinking and coming up with solutions and responses beyond that which is rote or rule-based
- **Cross-cultural competency.**
The ability to operate in different cultural settings
- **Computational thinking.**
The ability to translate vast amounts of data into abstract concepts and to understand data-based reasoning
- **New-media literacy.**
The ability to critically assess and develop content that uses new media forms and to leverage these media for persuasive communication
- **Transdisciplinarity.**
Literacy in and ability to understand concepts across multiple disciplines
- **Design mind-set.**
Ability to represent and develop tasks and work processes for desired outcomes
- **Cognitive load management.**
The ability to discriminate and filter information for importance and to understand how to maximize cognitive functioning using a variety of tools and techniques
- **Virtual collaboration.**
The ability to work productively, drive engagement and demonstrate presence as a member of a virtual team

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10 Tech Skills Every Student Should Have

- 1. Internet Search
- 2. Office Suite Skills
- 3. Self learning of tech & where to go for help
- 4. Typing - yes, typing
- 5. Social Media
- 6. Netiquette - Internet/Email/Social Media
- 7. Security and Safety
- 8. Hardware basics and troubleshooting
- 9. Backup data
- 10. Finding apps and software

By David Andrade
<http://www.techlearning.com/Default.aspx?tabid=67&EntryId=3776>

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What do our students say....

#2:59

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- Skills
- Tools
- Projects

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Survey said.....

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Building Better Teachers

1. Communications skills (oral-written-presentation)
2. Develop "Critical thinking skills"
3. Creativity and innovation - "Thinking outside of the box"
4. Understands "Creative problem-solving"
5. Collect and/or retrieve information (Information Literacy)

Professional development
Fosters peer relationships
Building 21st century skills - preparing kids for the future
Creating global citizens - "Collaboration skills"
Provides "Project/Problem Based Learning"

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Building Better Teachers

Develop "Critical thinking skills"

Q: What are they?

Q: How do YOU teach critical thinking in your classroom?

http://www.teach-nology.com/worksheets/critical_thinking/

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Critical Thinking Exercises

- Involves suspending your beliefs to explore and question topics from a **"blank page" point of view.**

Involves the **ability to know fact from opinion** when exploring a topic.

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Critical Thinking Skills

- A well cultivated critical thinker:
- raises vital questions
- assesses relevant information
- comes to well-reasoned solutions
- thinks open-mindedly
- thinks about the implications
- thinks about practical consequences
- communicates effectively with others
- Rely on reason rather than emotion
- Evaluate a broad range of viewpoints
- Maintain an open mind to alternative interpretations
- Accept new evidence, explanations and findings
- Are willing to reassess information
- Can put aside personal prejudices and biases
- Consider all reasonable possibilities
- Avoid hasty judgments

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Let's Get Started.....

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Would you rather....

- Have to learn to walk all over again or learn to write all over again?
- WHY ?


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Would you rather....

- Get lost in the woods with a knife and no food OR lost in the woods with 4 cans of SPAM , but no knife?
- WHY?

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Thinking Critically About UFOs




- Conspiracy Theories in Aerospace History
- A Lesson in Critical Thinking for the Internet Age
- <http://www.smithsonianconference.org/conspiracy/roswell/>

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Conspiracy Theories in Aerospace History A Lesson in Critical Thinking for the Internet Age

Home Recordings Presenters Teacher Resources FAQs Contact

Thinking Critically About UFOs



CONFERENCE ARCHIVES

Recordings are available from the National Air and Space Museum's free interactive online conference developed especially for teachers and secondary students.

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Conference Archives

<http://www.smithsonianconference.org/conspiracy/program/>

- Recordings are available from the National Air and Space Museum's free interactive online conference developed especially for teachers and secondary students.




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- Thinking Critically About UFOs
Recording Available
- Welcome and Introduction to Critical Thinking
Recording Available
- Thinking Critically About Amelia Earhart's Disappearance
Recording Available
- Thinking Critically About the Attack on Pearl Harbor
Recording Available
- Thinking Critically About the Apollo Moon Landings
Recording Available

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Critical Writing Exercise

- Brainstorm for 5 min:
- The advantages and disadvantages of "Growing Up"
- Sometime I wish I could have a life like Peter Pan, the boy who never did grow up.

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Tinkering School

- Gever Tulley teaches life lessons through tinkering
- <http://www.youtube.com/watch?v=hvHVfC0ekw>

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Tinkering School

- Gever Tulley teaches life lessons through tinkering
- <http://www.youtube.com/watch?v=hvHVIFc0ekw>

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- Kids can be trusted
- No tests
- No set curriculum
- Real tools
- Immersed
- Offer them time
- Figure things out
- Fooling around
- Making things
- Real plans
- Building
- Hands on
- Completed projects
- Celebrate failures
- Analyze
- Problems become puzzles
- New approach

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>>> YouTube- Education- Watch, upload and share videos

- <http://www.youtube.com/education>
- [History](#) [Chemistry](#)
- [Primary & Secondary Education »](#) [Lifelong Learning »](#)
- [Science »](#) [Mathematics »](#)
- [Engineering »](#) [Business »](#)
- *How the Ancient Egyptians Made "The PYRAMIDS" (Lego History)*
- http://www.youtube.com/watch?v=u6YmFbqSCUq&feature=edu_spotlight

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What teens don't know about Google

Clive Thompson- The average high school and college student

- Unable to discern the hidden agendas

"Mastering "crap detection 101" isn't easy"

- This naïveté is **largely the fault of schools, which rarely teach critical thinking.**

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Critical Thinking - Problem Solving

- http://www.teach-nology.com/worksheets/critical_thinking/

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Edheads helps students learn through educational games and activities designed to meet state and national standards.

- <http://www.edheads.org/>

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Edheads brings you high quality, free educational activities for your classroom

Edheads helps students learn through educational games and activities designed to meet state and national standards. We partner with various school systems in the United States, which help us research, design and test our activities every step of the way!

Critical Thinking and Problem Solving Skills
<http://www.edheads.org/>

Warning !!!!!!!

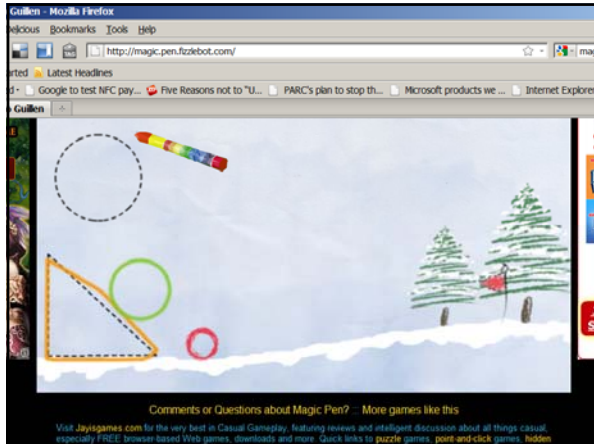
Graphic Photos

45-156

MAGIC PEN [MagicPen](#)

- Shapes you draw-affected by three basic principles: gravity, friction, and inertia.
- Physics. Drawn shapes will fall to the ground, bump against each other, and sit still unless acted upon by another moving shape.
- Draw any object you please, but Magic Pen automatically smooths out jagged edges into a more block-like shape. Game is mouse-driven-click and start drawing.
- **PLAY:** http://javisgames.com/archives/2008/04/magic_pen.php
- **Game Instructions** <http://www.bubblebox.com/play/puzzle/975.htm>
- **One of the most genius games ever.**

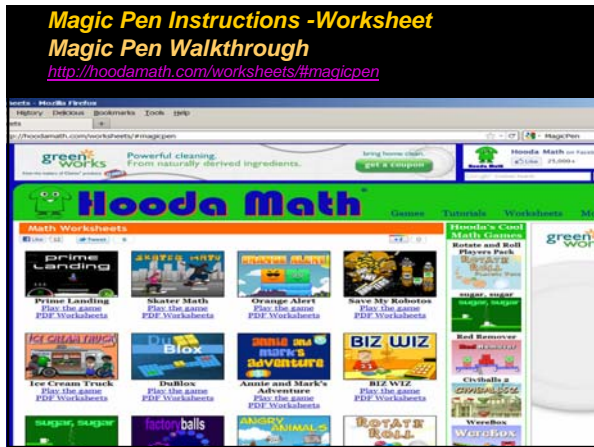
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Game Instructions

- [MagicPen LINKS](#)
- <http://www.miniclip.com/games/magic-pen/en/>
- <http://hoodamath.com/games/magicpen.php>

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Teach Critical Thinking Skills

- Study:
- Many college students are not learning to think critically. **Many of the students graduated without knowing how to determine fact from opinion.**
- Software = Learn how to report and predict the weather at the underground W.H.E.D. weather caves!
- Web site = <http://www.edheads.org/>
- <http://www.edheads.org/activities/weather/index.php>

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BOOKS

Critical Thinking

- Critical Thinking (The Daily Spark)
- 180 Easy-to-Use Lessons and Class Activities! [Paperback]
- SparkNotes Editors (Author)

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BOOKS - Creativity - Critical Thinking - Innovation

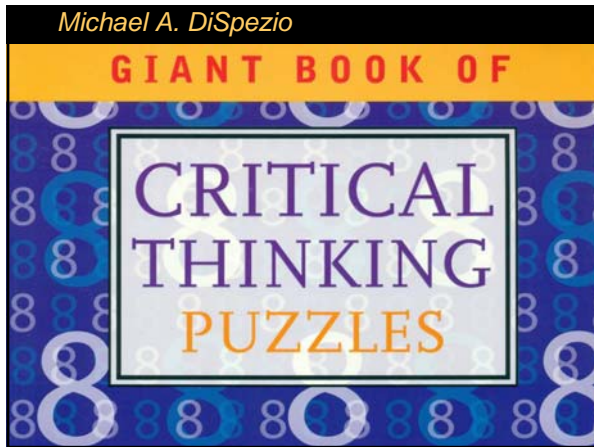
Sample for the book:

- Which of the following animals does not belong in this list ? WHY?
- Polar bear, Penguin, Beluga, Moose, Walrus, Reindeer
- All can be found in the Artic-EXCEPT Penguins..Penguins can only be found in the Southern Hemisphere 55-156

Answers....

- Moose - for hair and desert
- Polar bear – 2 words
- Beluga – only one always in the water

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Michael A. DiSpezio

- Great Critical Thinking Puzzles [Paperback]
- Michael A. DiSpezio (Author)

What is WOOGLE?

Counting Rectangles

How many rectangles can you count in the figure below? Note that a square is a rectangle.

How many rectangles?

125

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Answer 20 Answer here

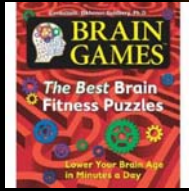
- Large rectangle-divided into 2 smaller cells
- 6 rectangles comprising 1 cell
- 7 rectangles comprising 2 cells
- 2 rectangles comprising 3 cells
- 2 rectangles comprising 4 cells
- 1 rectangle comprising 8 cells

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Brain Games: The Best Brain Fitness Puzzles [Spiral-bound]

Editors of Publications International Ltd. (Author, Editor)

Price \$12.98

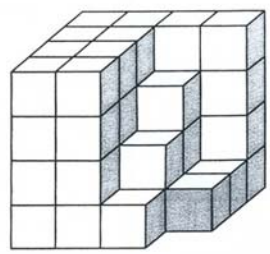


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Cube Count

CREATIVE THINKING
SPATIAL VISUALIZATION
VISUAL LOGIC

Imagine that this configuration was once comprised of 64 small cubes (4x4x4). How many cubes are now missing? Assume all rows and columns are complete unless you actually see them end

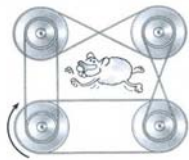


Hamster Treadmill

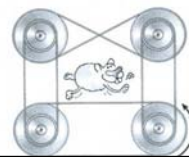
SPATIAL VISUALIZATION
VISUAL LOGIC

Only one of these exercise devices allows the hamster to run freely without the belts getting stuck. Is it device A or B?

A.



B.



Answer is:
Device A

Web 2.0 Drawing Tools for Every Level

http://www.guide2digitallearning.com/blog_mark_brumley/web_20_drawing_tools_every_level

- I want to know if it will.....
- Q1. Can you save and store the file in the cloud
- Q2. Can you share the file with others?
- Q3. Can you work with others at the same time as you draw
- Q4. Can you add your drawing to another site?
- Q5. Can you embed the drawing?
- Q6. Are there different shapes-pre-defined?
- Q7. Can you draw free-form?
- Q8. Can you import other drawings or jpeg photos?
- Q9. Can you move items around on the pad once you have created them?

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- **Web 2.0 Drawing Tools for Every Level**
- **Drawz It**
<http://www.drawzit.com/>
- **Queeky**
<http://www.queeky.com/>
Queeky is an advanced drawing application suitable for older students. Accounts are required and the basic membership level is free.
- **MugTug SketchPad**
<http://mugtug.com/sketchpad/>
- **doINK**
- [Create Animations. Make Friends! DoInk.com](http://www.doink.com/)
- <http://www.doink.com/>

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Questionaut

- Journey through strange worlds and test your knowledge of English, Maths and Science
- Magical mission-recover your friend's hat.
- Analysis: Questionaut has enough wonder and imagination here for gamers of all ages.
- Each level is a self-contained environment

[Questionaut Walkthrough Guide, Review, Discussion, Hints and Tips](#) <http://jaysgames.com/archives/2008/03/questionaut.php>

• PLAY-CLICK BELOW:

- <http://www.bbc.co.uk/schools/ks2bitesize/games/questionaut/>

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Questionaut
PLAY-CLICK BELOW:

- <http://www.bbc.co.uk/schools/ks2bitesize/games/questionaut/>
- <http://www.bbc.co.uk/schools/ks2bitesize/games/questionaut/pop.html>
- <http://www.bbc.co.uk/schools/ks2bitesize/games/questionaut/>
- <http://amanita-design.net/games/questionaut.html>
- <http://www.tomsgames.com/adventure/5988-questionaut.php>

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Critical Thinking Exercise
Fact – Fiction or Opinion

Determine if each statement sounds like a fact or an opinion

- My mom is the best mom on earth.
- My dad is taller than your dad.
- My telephone number is difficult to memorize.
- The deepest part of the ocean is 35,813 feet deep.
- Dogs make better pets than turtles.
- Smoking is bad for your health.
- Eighty-five percent of all cases of lung cancer in the U.S. are caused by smoking.
- If you flatten and stretch out a Slinky toy it will be 87 feet long.
- Slinky toys are fun.
- One out of every hundred American citizens is color blind.
- Two out of ten American citizens are boring.

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Count the F's in the sentence below:

There are no Tricks to the test. Read this sentence:

FINISHED FILES ARE THE RESULT OF YEARS OF SCIENTIFIC STUDY COMBINED WITH THE EXPERIENCE OF YEARS.

- Important, count them ONLY ONCE: do not go back and count them again

There are 6 "

- F"inished "F"iles o"F"
- o"F" "scienti"F"ic o"F"

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Free Critical Thinking Worksheets

http://www.teach-nology.com/worksheets/critical_thinking/

- [Graphic Organizers](#)
- [Language Arts](#)
- [Math Worksheets](#)
- [Science](#)
- [Social Studies](#)
- [Holidays](#)
- [Critical Thinking](#)
- [Elementary](#)
- [Research Skills](#)
- [Teacher Templates](#)
- [Theme Worksheets](#)
- [Worksheets Club](#)
- [Instant Worksheet Maker](#)

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Grades 6 – 12 | Student Interactive | Inquiry & Analysis

- [Hero's Journey](#)
- Elements of the hero's journey
- Analyze a text
- Follows the hero's journey pattern
- Start creating a hero story of their own

• <http://www.readwritethink.org/classroom-resources/student-interactives/hero-journey-30069.html>

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Critical Thinking - Problem Solving

- http://www.teach-nology.com/worksheets/critical_thinking/

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List possible uses for WD-40

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Inventive Thinking and Creativity

- Inventive Thinking and Creativity
- http://inventors.about.com/od/lessonplans/a/creativity_2.htm

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THE GREAT IDEA FINDER

- <http://www.idealfinder.com/history/index.html>

INVENTION FACTS & MYTHS

We have selected some of the most interesting stories and fascinating facts about inventions and innovations from around the world. Each invention shed some light on the good intentions of the inventor and their quest to improve the quality of life.


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Web 2.0 Problem Solving

- Finding the Right Tool

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Book Exercises:
"BRAIN STORMING"
(sample from the book)
by Marty Fligor Published by Creative Publishing Mansfield Center, CT

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Practice :

Where in the world would you find a leaf or leaves?

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Practice :

List uses for a balloon

#51-121 82-156

- Practice 3: Name things that have holes in them.
-
- Practice 4: Give uses for Velcro
-
- Practice 5: List uses for a balloon
-
- Practice 6: Give uses for a piece of toast
-
- Practice 7: Give uses for a windshield wiper
-
- Practice 8: Give ways to put out dragon's fire
-
- Practice 9: In 1 minute name countries
-

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Jamestown Adventure:

<http://www.historyglobe.com/jamestown/>

- 1606-establish the first permanent English colony in the New World.
- Virginia-called their colony James Towne
- Half of the settlers died due to poor choices settlement location
- management of resources
- quarrels with the indigenous Powhatan Indians.
-
- Can you do any better than the real colonists?
- You can learn from the mistakes of history.

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**Creativity-
Innovation-Problem
Solving**

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Story telling- OLD way or NEW way?

- Flight 1549
- New York
- Hudson

• http://www.youtube.com/watch?v=jZPvVwvX_Nc

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Flight 1549

- Flight 1549
- New York
- Hudson


• http://www.youtube.com/watch?v=jZPvVwvX_Nc

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*Canadian Speed Controls - Speed controls being used in Canada ..
How's this for effective speed control?*



88-156



*This is an actual speed control device that is currently in use.
It is MUCH cheaper than speed cameras, radar guns, police officers, etc.*

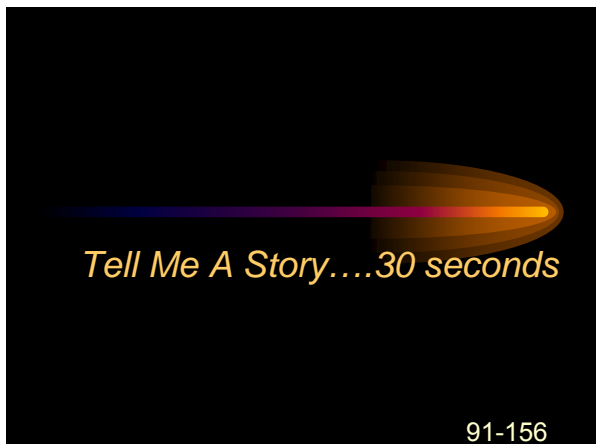
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Building Better Teachers

- **“We Don’t Need Smart Boards, We Need Smart People”** (Jerry Brodkey)

• <http://jarrycuban.wordpress.com/2010/03/20/we-dont-need-smart-boards-we-need-smart-people-jerry-brodkey/>

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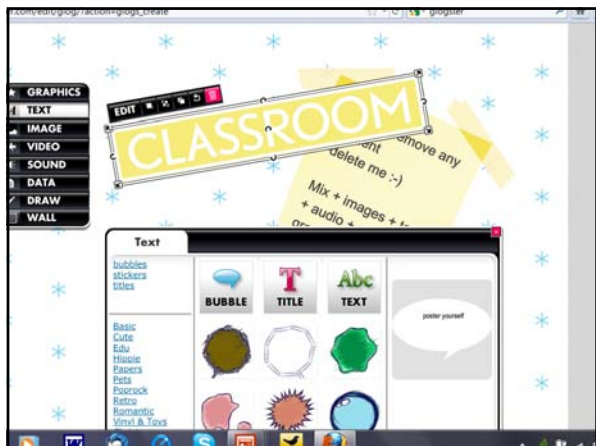
Glogster Glogster.EDU

- Lesson ideas to foster creativity and higher order thinking skills

Reach for the sky of expression

Share your creativity with friends. No registration. Click to try!

TRY TO CREATE YOURS



Let's make a "GLOG"

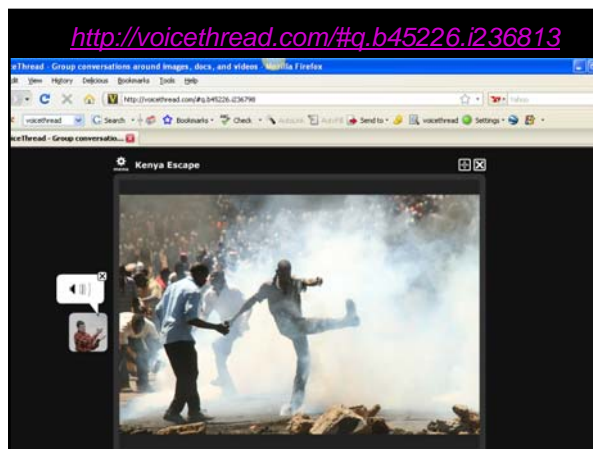
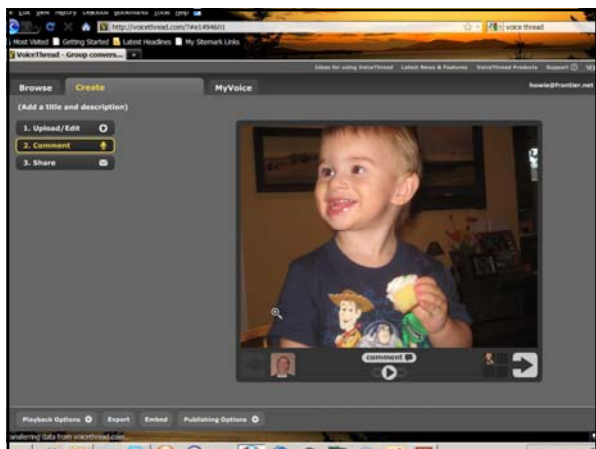
- Glogster Glogster.EDU
- <http://edu.glogster.com/>

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Use VoiceThread <http://voicethread.com/>

This is Brazil: <http://voicethread.com/>

- Language Channel <http://voicethread.com/#q.b37780.i218912>



Projects for classrooms

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Creative Writing - Communication

- **Storybirds**
 - Short, visual stories that you make with family and friends to read, share and print.

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ZooBurst

- www.zooburst.com
- ZooBurst is a digital storytelling tool that lets anyone easily create his or her own 3D pop-up books. Sign up! Learn More. Premium ZooBurst accounts are ...

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BoomWriter <http://boomwriter.com/>

- Be published
- Compete in a fun and creative way
- Students express their feelings through writing
- Create any scene, add or subtract characters or whatever we want

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Language Arts

Jerome Burg:- Google Lit Trips

- Enhance Your Study of History
- find images of the people, places, and events you are studying, and incorporate these images into your lessons.
- <http://www.googlelittrips.org/>

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A Place in Time with Google Tools

- [PDF, Podcast, Video]
Project plan using Google Earth, Groups, and News Archive Search to study history and landmark historical photos.
Cheryl Davis, Teacher
- <http://sites.google.com/site/gtaresources/gct-pages/cheryl-davis>
- <http://sites.google.com/site/gctgone/home22>

111-156

Three Minute Tales

- Tell a three-five minute story, most of us stumble.
- Writing a 500-word story "strikes at the very heart of the short story as a project, which is to get something going rapidly."
- <http://www.npr.org/templates/story/story.php?storyId=105685925>



112-156

Sample - 3 minute Stories

- The Little Old Man That Dreamed He Could Fly
- Magpie and His Blackberry Pie

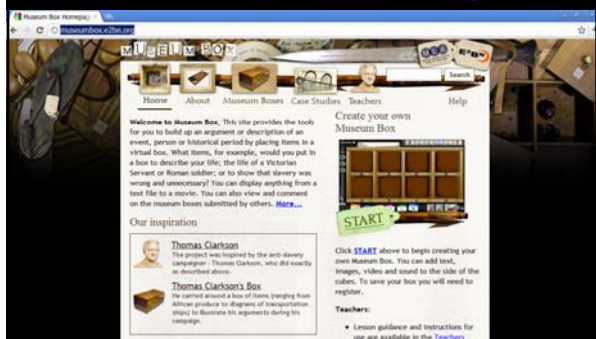
113-156

Round 6 Stories

- Send us original works of fiction
- One of the characters tells a joke
- One of the characters cries
- Our Round 6 winner was "A Saint And A Criminal" by Lauri Anderson.
- <http://www.npr.org/2011/04/03/133542373/a-saint-and-a-criminal>

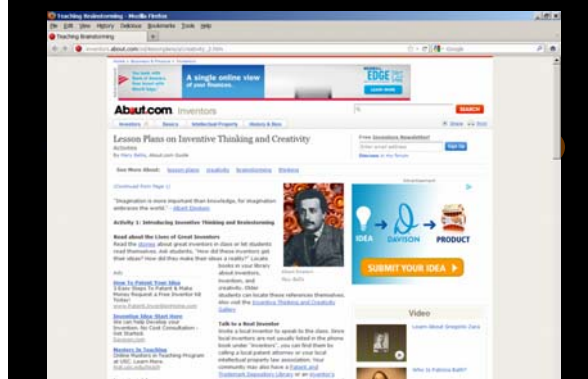
114-156

Museum Box - A great historical site for teachers and students to create multimedia projects. <http://museumbbox.e2bn.org/>



Inventive Thinking and Creativity

• http://inventors.about.com/od/lessonplans/a/creativity_2.htm



Invention at Play



- Thinking games and puzzles
- >>> Check out Cloud-Practice
- <http://www.inventionatplay.org/>

117-156

And finally... I dedicate this to all of you that are "Grown Up Kids"

• Credit to Peter Reynolds

118-156

... I dedicate this to all of you that are "Grown Up Kids"

- <http://mpbreflections.blogspot.com/2010/01/i-need-my-teachers-to-learn.html>

119-156

**New Tools for Schools:
Developing Creativity and
Critical Thinking Skills**

Dr. Howie DiBlasi

"Emerging Technologies Evangelist"

Digital Journey

TWITTER: hdiblasi

howie@frontier.net www.drhowie.com


Skype: durangodirector

Presentation : 2012

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Pres. # 2033

Done to this point



121-156

*Critical Thinking Exercise :
Tour Guide for an Alien*

- Assigned the task of conducting a tour for aliens who are **visiting earth and observing human life**.
- <http://homeworktips.about.com/od/paperassignments/a/Critical-Thinking-Exercises.htm>
- Riding in a blimp
- Float over a professional baseball stadium.
- One of your aliens looks down and **becomes very confused, so you tell him that there is a game going on.**

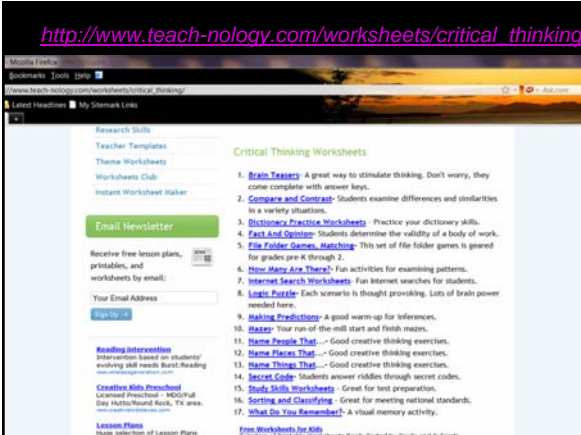
122-156

Try to answer the following questions for him

- 1. What is a game?
- 2. What is a team?
- 3. Why are there no female players?
- 4. Why do people get so passionate watching other people play games?
- 5. Why can't the people in the seats just go down on the field and join in?

123-156


http://www.teach-nology.com/worksheets/critical_thinking/



The screenshot shows a webpage titled 'Critical Thinking Worksheets' with a list of 17 activities including Brain Teasers, Compare and Contrast, Dictionary Practice, Fact and Opinion, File Folder Games, How Many Are There?, Internet Search, Logic Puzzle, Making Predictions, Name People That, Name Places That, Name Those That, Secret Code, and Study Skills Worksheets.

How many times a day does a clock's hands overlap?

• AM	• PM
• 12:00	• 12:00
• 1:05	• 1:05
• 2:11	• 2:11
• 3:16	• 3:16
• 4:22	• 4:22
• 5:27	• 5:27
• 6:33	• 6:33
• 7:38	• 7:38
• 8:44	• 8:44
• 9:49	• 9:49
• 10:55	• 10:55



125-156

My next trip- Is There A Better Way To Board A Plane?

- I expect that they'll do the standard thing and have us board by "zone numbers" out of a desire to cut down on the time it takes to board so that **we get on the plane in an efficient manner.**
- But it turns out that the "zone number" system is really poorly thought out.

Why?

126-156

Is There A Better Way To Board A Plane?




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ISSUE 161

DECEMBER 2011/ JANUARY 2012



128-156

*Creativity in Education:
Grab a crayon. We've got work to do!*



• **What is Creativity?**

129-156


Creativity is inventing, experimenting, growing, taking risks, breaking rules, making mistakes, and having fun.

— Mary Lou Cook

130-156

Now, reflect on your classrooms...

- What are you doing that is **innovative?**
- How is what your students learning **pertinent to today's world?**
- Will what you are teaching your students help them be **successful in today's global economy?**




131-156

If Abraham Lincoln Had An iPod

<http://www.npr.org/templates/story/story.php?storyId=100675699>

- What kind of music would he be listening to ??

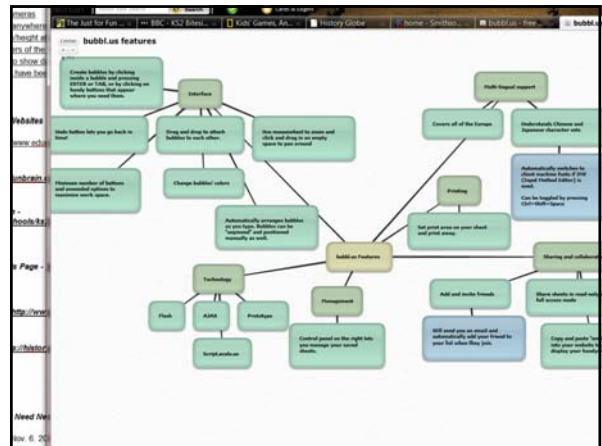


132-156

Bubbl – <http://bubbl.us>

- **What is it?**
- Bubbl.us is a simple and free web application that lets you brainstorm online.
- **Why use bubbl.us?**
- Because you can:
 - Create colorful mind maps online
 - Share and work with friends
 - Embed your mind map in your blog or website
 - Email and print your mind map
 - Save your mind map as an image
- And it's FREE!

133-156



Storytelling in 20 photos...
<http://belladebilsjourney.blogspot.com/2011/04/storytelling-in-30-photos-part-1.html>

- Leila's Blog - [Emerald City Girl](#)
- **My Journey**
<http://belladebilsjourney.blogspot.com/2011/04/storytelling-in-30-photos-part-1.html>

135-156

- 1. Someone I spend a lot of time with
 - 2. A picture of myself
 - 3. A picture of someone in my family
 - 4. A picture of something that makes me happy
 - 5. An old picture of myself
 - 6. A picture of a sibling
 - 7. Class photo
 - 8. A random photo of you and your significant other
 - 9. A picture I haven't posted online before
 - 10. A relative of mine
 - 11. Someone I tell everything to
 - 12. A picture from my everyday life
 - 13. A picture from a place I love
 - 14. A picture that reminds me of old times
 - 15. A picture from a great night
 - 16. An unusual picture
 - 17. A picture of my spare time
 - 18. A picture of people who are closest to me
 - 19. A picture of someone who is always there
 - 20. A picture of a time in life I miss
- 136-156

Word Lens: <http://questvisual.com/>

- **Word Lens Translates Words Inside of Images. Yes Really.**
- Ever been confused at a restaurant in a foreign country and wish you could just scan your menu with your iPhone and get an instant translation? Well as of today you are one step closer thanks to [Word Lens from QuestVisual](#).

137-156

Word Lens: <http://questvisual.com>

138-156

User Guide
FableVision Learning
Animation-ish
Classroom Edition User's Guide

Please click on the button below to download the User's Guide PDF.

- http://www.fablevision.com/pdfs/animationish_users_guide.pdf

139-156

Animation-ish - FableVision

- <http://www.fablevisionstudios.com/project.php?id=9>
- Animate your drawings in minutes.
- Simple-to-use tools
- Engaging design
- Multiple levels
- Fun, rewarding experience
-
- Users are led through three optional levels of increasing animation skill. Wiggledoodle-ish allows the user to draw, trace, and animate with three frames. Flipbook-ish allows the user to create animation using an infinite number of frames and higher-level tool sets. Advanced-ish introduces the mover tool, which allows for more complex animations using foregrounds and backgrounds.

140-156

141-156

Animation-ish™
 Make Your Mark... Move!

Sample Lessons & Activities

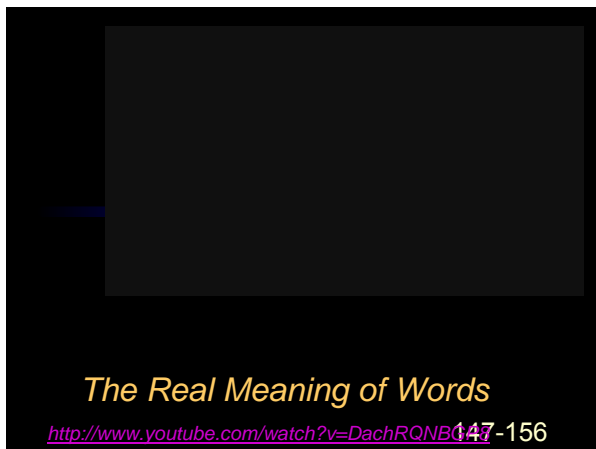
- Political Cartoon**
- Age Span: 13-18 -Time Allotment: 30 Minutes
- Curriculum Alignment: Social Studies/History/Government
- Standards: The National Standards for History
- Understands recent developments in foreign and domestic politics.
- Understands economic, social, and cultural developments in contemporary United States.
- All students, given the Animation-Ish program, will create a political cartoon based on a current event.
- Instructions for Activity:**

142-156

The Real Meaning of Words

143-156

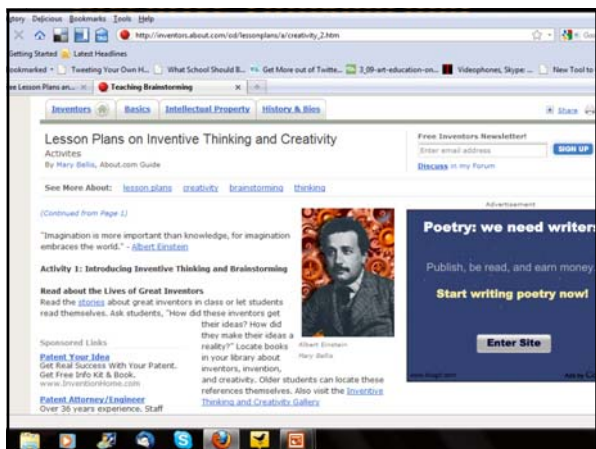
144-156



The Invention Facts are organized alphabetically by invention title. Pick any letter in this invention listing and you will find an array of interesting and revealing information.

- **A**
Invention Inventor
- Abacus Chinese
- Adding Machine Blaise Pascal
- Air Brake George Westinghouse
- Air Conditioner Willis Haviland Carrier
- Airplane Wright brothers
- Airplane Engine Charles Taylor
- Alevanderson alternator Ernst Alexanderson
- Analytical Engine Charles Babbage
- Arc Lighting System Charles Brush
- Aspirin Felix Hoffman Assembly Line Ransom Olds
- Atanasoff Berry Computer John Vincent Atanasoff
- Automobile Karl Benz
- Avon Cosmetics David H. McConnell

148-156



A collaborative learning platform for teachers, educators & schools!

TAKE A TOUR
What is Glogster EDU?

CHOOSE YOUR ACCOUNT LEVEL
Which EDU product suits you best?

Glogster EDU Premium is a collaborative online learning platform for teachers and students to express their creativity, knowledge, ideas and skills in the classroom.

Features

- ✓ Glog - interactive poster
- ✓ Collaborative class projects
- ✓ School-level teacher management of students and classes
- ✓ Private and safe student environment
- ✓ Engage students in fun and creative activities
- ✓ National educational standards

Glog
A Glog is a very easy to use, drag and drop online collaborative multimedia network including text, audio, video, graphics, images, animation and links.

CREATE YOUR OWN GLOG NOW!
START your new Glog here (it's FREE)

Glogs - the best projects

Sample Glogster Projects

- **The Moon**
- <http://tehescmarts.edu.glogster.com/>
- **The 2011 Japan Tsunami**
- <http://tehescmarts.edu.glogster.com/the-2011-japan-tsunami/?w1>
- **Picasso**
- <http://claudiawjohnson.edu.glogster.com/picasso/?w1>

#511515156

Mapskip

- <http://www.mapskip.com/>
- **makes the world a canvas for our stories and photos**
-
- **create a weave of stories about the places in our lives**

152-156



MapSkip

- And many of our stories are about places.
- Where we fell in love, had the dream vacation, took that great picture or, well, joined the rebellion.
- Many other places that anchor our lives - where we live, eat, work and have fun.
-
- Exploring the world through shared stories and pictures about all the places in our lives.

154-156

Zoho Show 3.0

- <http://www.zoho.com/show/demo.html>
- The all-new Zoho Show 3.0 comes with a rich user interface that lets you create impact, not just presentations. Engage your audience and get your ideas across in a visually appealing way.

#81-129

155-156



Projects for classrooms

157

App Inventor for Android

- Easiest way to create apps for your phone!
- You do not need to be a developer to build great mobile applications.
- Visually design applications and use blocks to specify application logic

158-156

Create. Play. Share.
moglue

Moglu –
Create Interactive eBooks for iOS
and Android Devices

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

Applications for Education

159



Doink

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

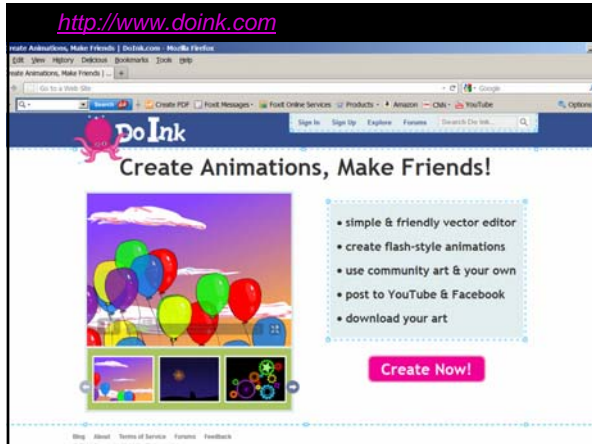
Create Animations

- Share with students
- Art and animation
- Create your own
- Do not need to be an artist
- Online community
- Users create original works
- Share ideas
- Re-use the work of others
- Post to other social networking sites such as Facebook and YouTube.

162

- [Connecting STEM and Arts \(TEAMS\) to Spur U.S. Innovation: Part 1 ...](#)
- www.edutopia.org/blogs/connecting-stem-arts-jim-brazell
- Jul 30, 2010 – The first in a five part series on the integration of arts in STEM education by guest blogger Jim Brazell.

161-156



Assignment:

- Attach one or two WORDS MAX to each photo...
- You will work in groups of 3
- Each slide with a photo will appear for 30 seconds
- Be prepared to share your answers with the group

164

Power of Words - Video

- <http://www.youtube.com/watch?v=Hzqzim5m7ol4>
- This short film illustrates the power of words to radically change your message and your effect upon the world.
- Homage to Historia de un letrado, The Story of a Sign by Alonso Alvarez Barreda Music by: Giles Lamb

165

Power of Words - Video



Thinking different

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