

Smartboard Ideas!


September 30, 2014

Games & Activities

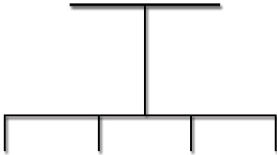
Can be used on Smartboard/at home







Drag and Drop Pedigree Chart





- To visually reinforce lessons by having a hands on example of what the lesson was

 A father cannot roll his tongue but a mother can. Of their four children, one daughter cannot roll her tongue. The other daughter and both sons can roll their tongues.

PEDIGREE

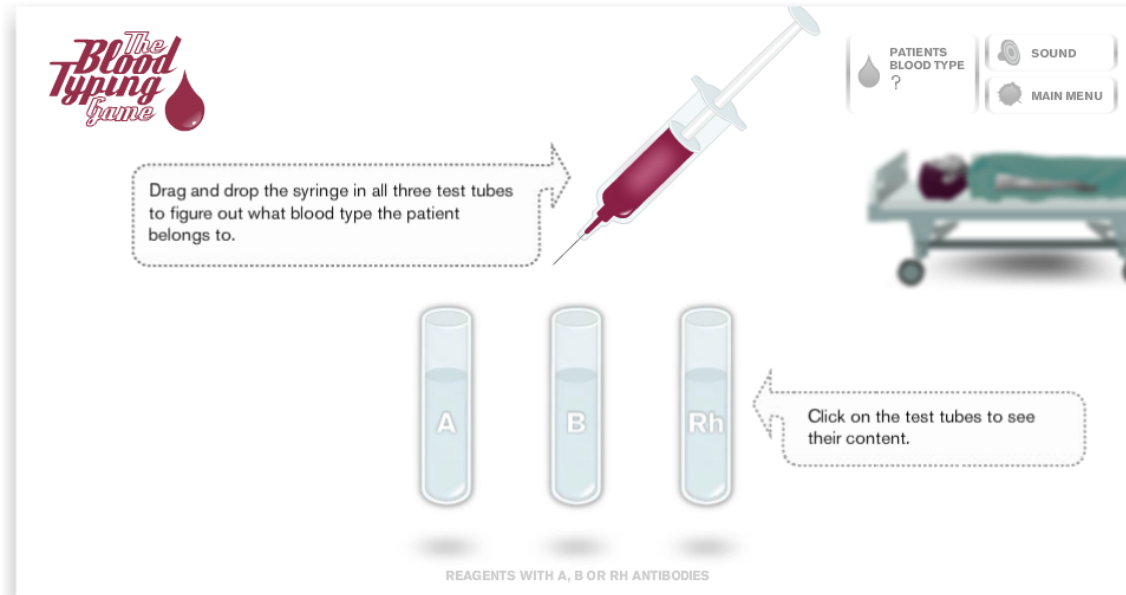


 homozygous dominant male	 homozygous dominant female
 heterozygous/carrier male	 heterozygous/carrier female
 homozygous recessive male	 homozygous recessive female

 homozygous dominant genotype	 homozygous recessive genotype
 heterozygous/carrier genotype	 generations

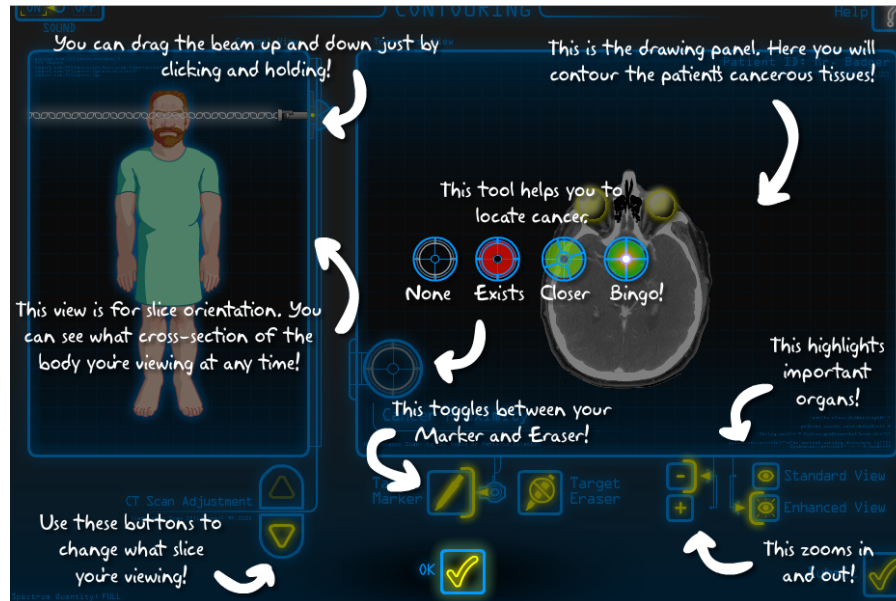
Blood Typing Game

- Same purpose as pedigree chart, except has a practical application aspect



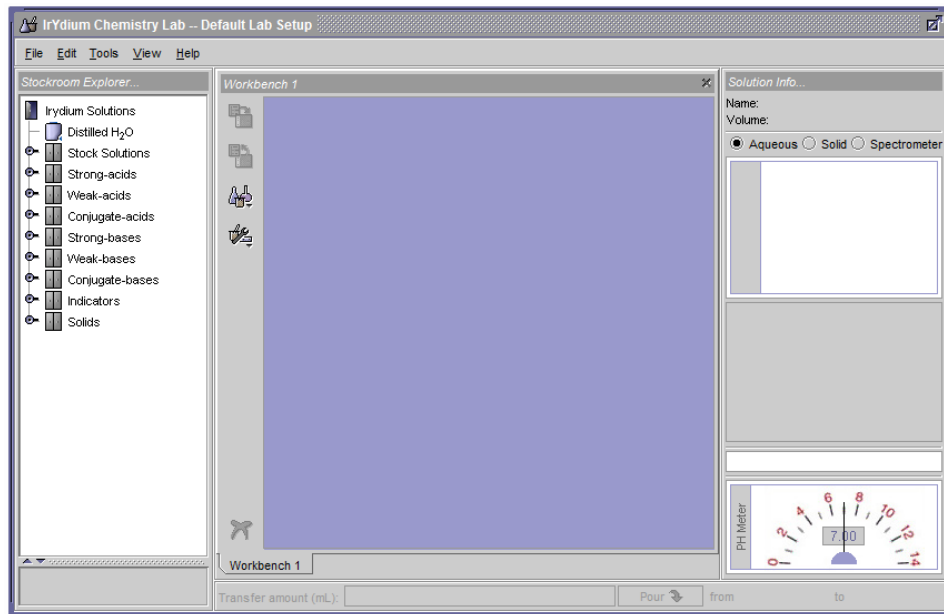
Oncology

- Perform brain surgery on cancer patients (cool game for grade 10-12 biology students)



Virtual Lab: Default Virtual Lab Stockroom

- Virtual way of performing labs and experimenting safely (although limited in chemicals)



Gizmos

- Another resource where students can use this at home to do homework

The screenshot shows the ExploreLearning Gizmos website. At the top, the ExploreLearning logo is on the left, and navigation links for "Free Trial", "Enroll in a Class", and "Login" are on the right. Below this is a horizontal menu with "Browse Gizmos", "Training", "Research", "About", "Support", and "My Homepage". A search bar is located on the right side of the header. A banner below the header states "Gizmos are now available on iPad!". The main content area features a large graphic with the text "Experience Math & Science with Gizmos®" and "Over 450 highly interactive online simulations for grades 3-12." Below this is a "Learn More" button and a "Free 30-day Trial" button. The bottom of the page is divided into three columns: "New to ExploreLearning?" with links to "Introduction to ExploreLearning.com", "What Educators Say About Gizmos", and "Teaching with Gizmos - demo movies"; "Support for Common Standards" with links for "Next Generation Science Standards" and "Common Core State Standards"; and "ExploreLearning News" with a list of recent updates and a link to "jobs@explorelarning.com".

ExploreLearning® | Gizmos® Online simulations that power inquiry and understanding.

Free Trial | Enroll in a Class | Login

Browse Gizmos | Training | Research | About | Support | My Homepage

Gizmos are now available on iPad!

find Gizmos, help and more... SEARCH

Experience Math & Science with
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New to ExploreLearning?

- Introduction to ExploreLearning.com
- What Educators Say About Gizmos
- Teaching with Gizmos - demo movies

More Videos >>

Support for Common Standards

Prepare your students for 21st century success.

- Next Generation Science Standards >
- Common Core State Standards >

Browse All Correlations >>

ExploreLearning News

- Gizmo of the Week: Theoretical and Experimental Probability
- Changes to Boyle's Law and Digestion Gizmos
- New Jersey Students use Gizmos in Blended Learning

jobs@explorelarning.com
Awesome career opportunities! >

Spongelab

- Similar to Virtual Lab and Gizmos

The screenshot displays the Spongelab website interface. At the top, there is a navigation bar with icons for home, information, globe, help, and email, followed by the text "Welcome Guest" and buttons for "Register" and "Login". Below this, the Spongelab logo (a yellow circle with "SPONGELAB A GLOBAL SCIENCE COMMUNITY v5.0") is on the left, and a search bar with the placeholder "Search science topics, lesson plans, case studies and more" is on the right. A red bracket groups the logo and search bar. Below the search bar is a horizontal menu with buttons: "explore", "my list", "my lessons", "my classes", "my community", and "my profile".

The main content area is divided into two sections. On the left, under the "Preview" header, is a large image of ice crystals. Below the image, the text reads: "Ice crystals", "ID# SLCWOO-4222", "Wikimedia Commons Image", "Author: Petr Dlouhý", "License Type: GNU License", and a small Wikimedia Commons logo. At the bottom of this section are three buttons: "Prev", "View", and "Next".

On the right, under the "EXPLORE" header, is a filter section with "Language..." and "Subject..." dropdown menus and a "Go" button. To the right of the filters is a "Display as" dropdown menu set to "details". Below this is a table titled "G Graphics and Images" with 872 items. The table has columns: "Title", "Level", "Uploaded", and "My List". The first four rows are:

Title	Level	Uploaded	My List
The chemistry of autumn leaves	[red bar]	09/22/2014	+
Tamme-Lauri oak	[red bar]	09/04/2014	+
Macrocranium tupaiondon	[red bar]	09/02/2014	+
Cuttlefish	[red bar]	09/02/2014	+

Below the table are two expandable sections: "Games and Simulations" with 251 items and "Animations and Video" with 111 items.

Games & Activities Continued...

More “list-like” resource suggestions

Other Resources Sites

[Brainpop Educators](#)

- List of potential game activities related to x subject (has fun element!)

[“65 Free Interactive Whiteboard Resources” Article](#)

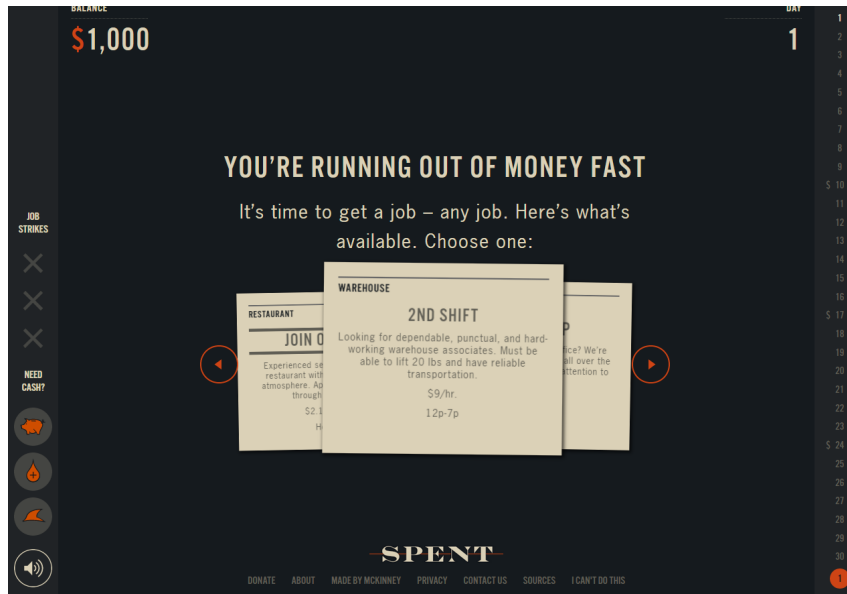
- List of resources for Smartboard/other great relevant games

[“Teachers Love SMARTBoards”](#)

- List of resources, similar to above

Spent

- Thought-provoking game, challenges you to live on \$1,000 for a month, making realistic choices that many families need to make on a daily basis

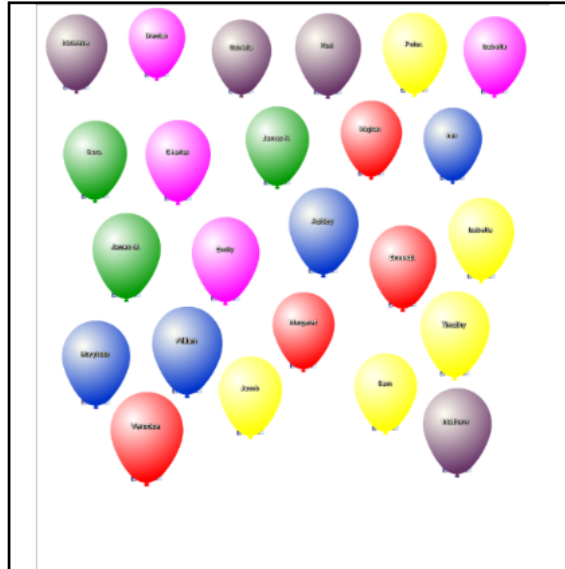


Smartboard Ideas with Software!

Ready to use after adding the lesson

Homeroom Attendance

- Provides an interactive and new way of taking attendance, letting the students do all the work



Jeopardy

- An empty template that you can customize relevant to any subject; provides an interactive way to “test” their knowledge

Category 1	Category 2	Category 3	Category 4	Category 5
10	10	10	10	10
20	20	20	20	20
30	30	30	30	30
40	40	40	40	40
50	50	50	50	50

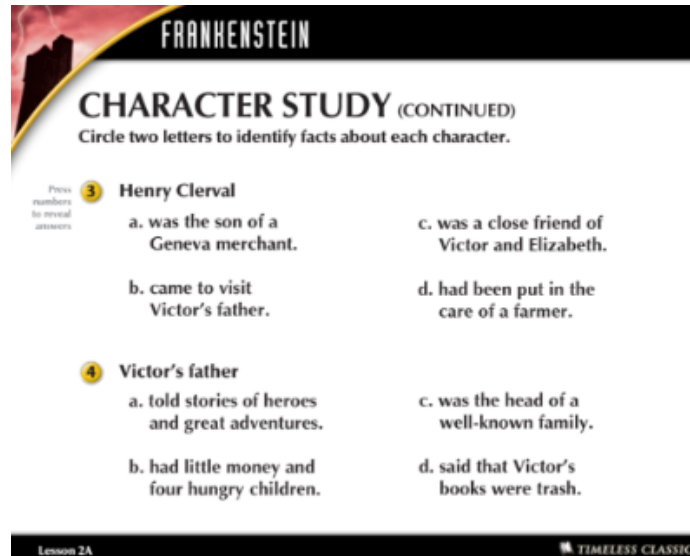
Class Feud

- Another template that could be used as a review game, like Jeopardy



Frankenstein (Timeless Classics) WB

- Not really a “template” (costs money as well), but preview gives an idea of what fun ways you can do with a book using the Smartboard



The image shows a worksheet titled "FRANKENSTEIN" with a subtitle "CHARACTER STUDY (CONTINUED)". Below the title, it says "Circle two letters to identify facts about each character." There are two numbered sections: 3. Henry Clerval and 4. Victor's father. Each section has four multiple-choice options labeled a, b, c, and d. A small icon on the left of section 3 says "Press numbers to reveal answers". At the bottom, it says "Lesson 2A" and "TIMELESS CLASSICS".

FRANKENSTEIN

CHARACTER STUDY (CONTINUED)
Circle two letters to identify facts about each character.

Press numbers to reveal answers **3 Henry Clerval**

- a. was the son of a Geneva merchant.
- b. came to visit Victor's father.
- c. was a close friend of Victor and Elizabeth.
- d. had been put in the care of a farmer.

4 Victor's father

- a. told stories of heroes and great adventures.
- b. had little money and four hungry children.
- c. was the head of a well-known family.
- d. said that Victor's books were trash.

Lesson 2A TIMELESS CLASSICS

Student Input Ideas

Ideas suggested by students

*Survey Students' Inputs are actual quotes from survey takers

Editing

Use the Smartboard as a means of class peer-editing

- Can have 1 large document up front and 2-4 peer edit at the same time; have the class see what's happening

Use the Smartboard as a better presentation method

- I.e. have article/map up front, as you critically analyze the piece, you can make notes on it (students will have a better time following along)

Survey Students' Input #1

Math class

- Used with clickers
- Teach lessons/solve problems and allows you to easily write all your work without running out of room
- Give visual aids (graphs, charts, etc.) because it helps to understand concepts at times and is more clear than handwriting
 - A perfect example [...] is Ms. Gugiou's website (http://la-citadelle.com/2013_2014/), where she posts all the class notes, homework problems, test dates, etc., so you can learn ahead, go back to things you missed, no excuses for forgetting to write things down

Survey Students' Input #2

- Posts videos
- Online solutions
- Graphing software

Survey Students' Input #3

- “In middle school my teacher used the smartboard to take attendance, when you arrived you had to drag this thing to your name and then it would say you were here”

*Refer to “Homeroom Attendance” suggestion

Survey Students' Input #4

- In middle school we had interactive math questions and most students were eager to participate just to use the smart board. We could see questions from our homework or test on the board, and it made the writing and diagrams a lot easier
- It would probably be nice to see more visuals, in both geometry and science
- I wouldn't sway towards using computers for more videos, teacher explanations easier to answer questions for, as for using computers more for assignments during school hours, perhaps it's just me but it seems like time for individual assignments is rarely spent productively