



iPad: Role and Apps for Middle School

ITSCO

www.itsco.org


The screenshot shows a Windows Internet Explorer browser window with the address bar displaying <http://www.itsco.org/>. The browser's Favorites bar includes ITSCO, Suggested Sites, and Web Slice Gallery. The website header features the ITSCO logo (an orange outline of Ohio) and the tagline "providing technology services that enhance teaching and learning". Below the header is a navigation menu with "Professional Development", "Featured Programs", and "Publications". A sidebar on the left titled "Connect with ITSCO" lists links for "Ohio on iTunes U Web 2.0", "iPhone/iPod Apps", "Featured Educators", "Book Talks", "facebook", "diigo", and "RSS". The main content area is titled "New and Notable ..." and features a section "You'll Flip at COSI" with a COSI logo (Center of Science and Industry) and an image of a Flip Video camera. The text in this section reads: "You'll Flip at COSI eTech Ohio Conference Event \$225 5:00 - 8:00 Monday, 1/31/11 Join ITSCO and ITIP Ohio for an exciting evening of learning worlds at COSI will be open to participants and learn practical applications for the use of video. Evening festivities will also include a catered reception demonstrating their own video projects. Tr... all participants will receive a Flip Video Ca..."





Agenda

- Role of iPad in Secondary Education
- Content Loop
- Content Consumption and Content Creation
- iPad Apps
- Questions?



Role of iPad in Secondary Classroom

- Administrator Device
- Teacher Use

Student Use

1 to 1 Use:

<http://www.palmbeachschooltalk.com/groups/ipadpilot/blog/>

Student Station:

<http://teachwithyouripad.wikispaces.com/>



Content Loop

- How do your apps store information?
- How will your students get information to you?
- Keep it simple!
 - Dropbox, Google Apps, Office HD, MobileMe
 - What others?



Content Consumption and Content Creation

- Content consumption is very easy on iPad
- Content creation – what will you make?



Content Consumption

- Podcasts and Vodcasts
- Video
- Internet
- iBooks and other e-readers
- Apps



Content Creation

- Brainstorming
- Art apps
- Video, Puppets, Animation
- Notes and Summary
- Highlighting

Content Creation: Digital Storytelling



<https://sites.google.com/site/digitalstorytellingwiththeipad/home>



iPad Apps

Websites that review educational apps:

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

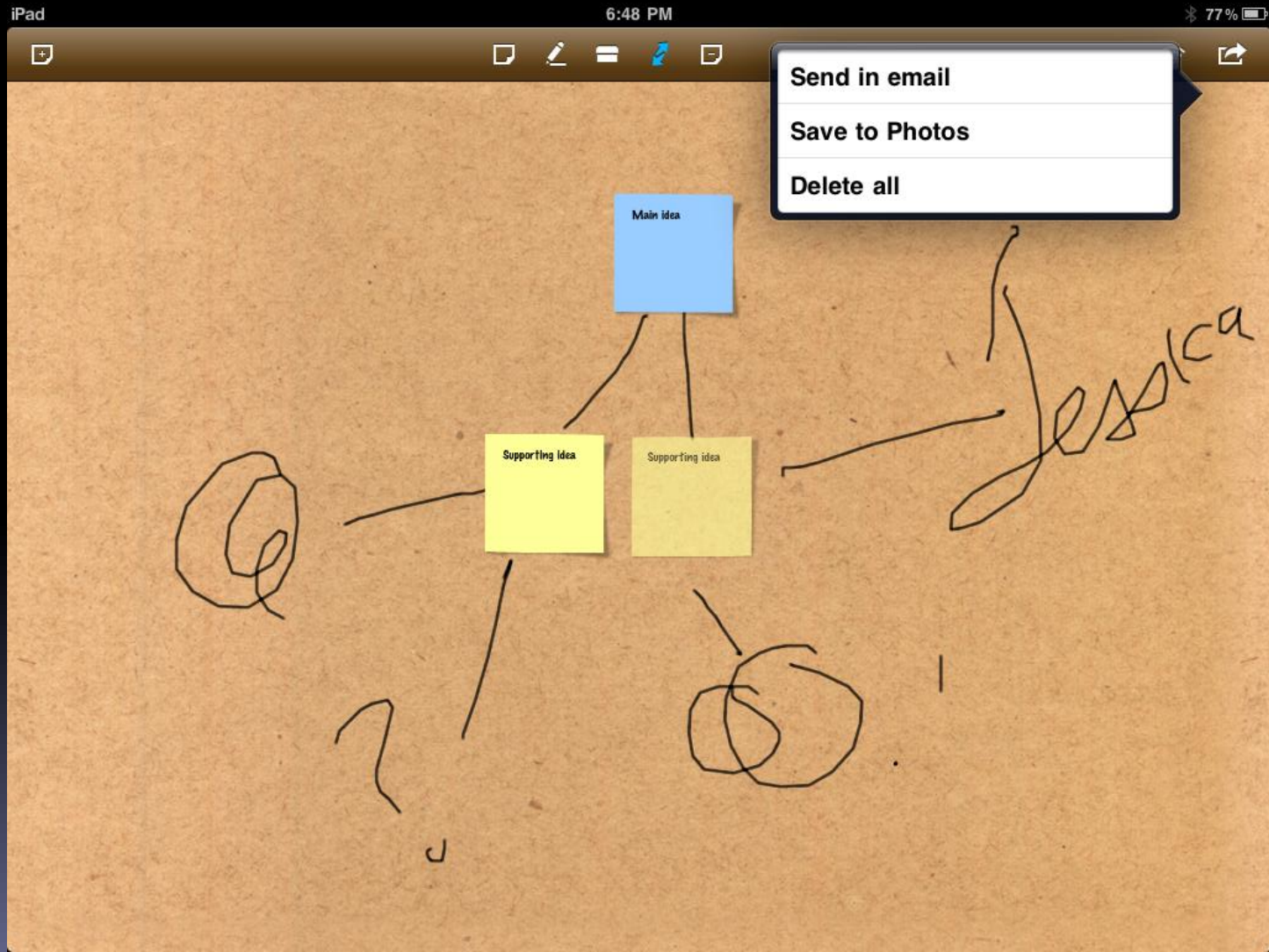
<http://www.iear.org/>

<http://tinyurl.com/itscoipadapps>



Creation

iBrainstorm - free



Popplet (lite) \$4.99

popplet: my popplet

view all clear all help upgrade

share
PDF
JPEG

The diagram features a central image of a glacier melting into a lake, surrounded by rocky shores. This image is connected to three text boxes: 'melting ice caps' (top right), 'global warming' (bottom left), and 'co2 levels' (bottom right). The 'co2 levels' box contains a red hand-drawn sketch of a molecule with three circles.

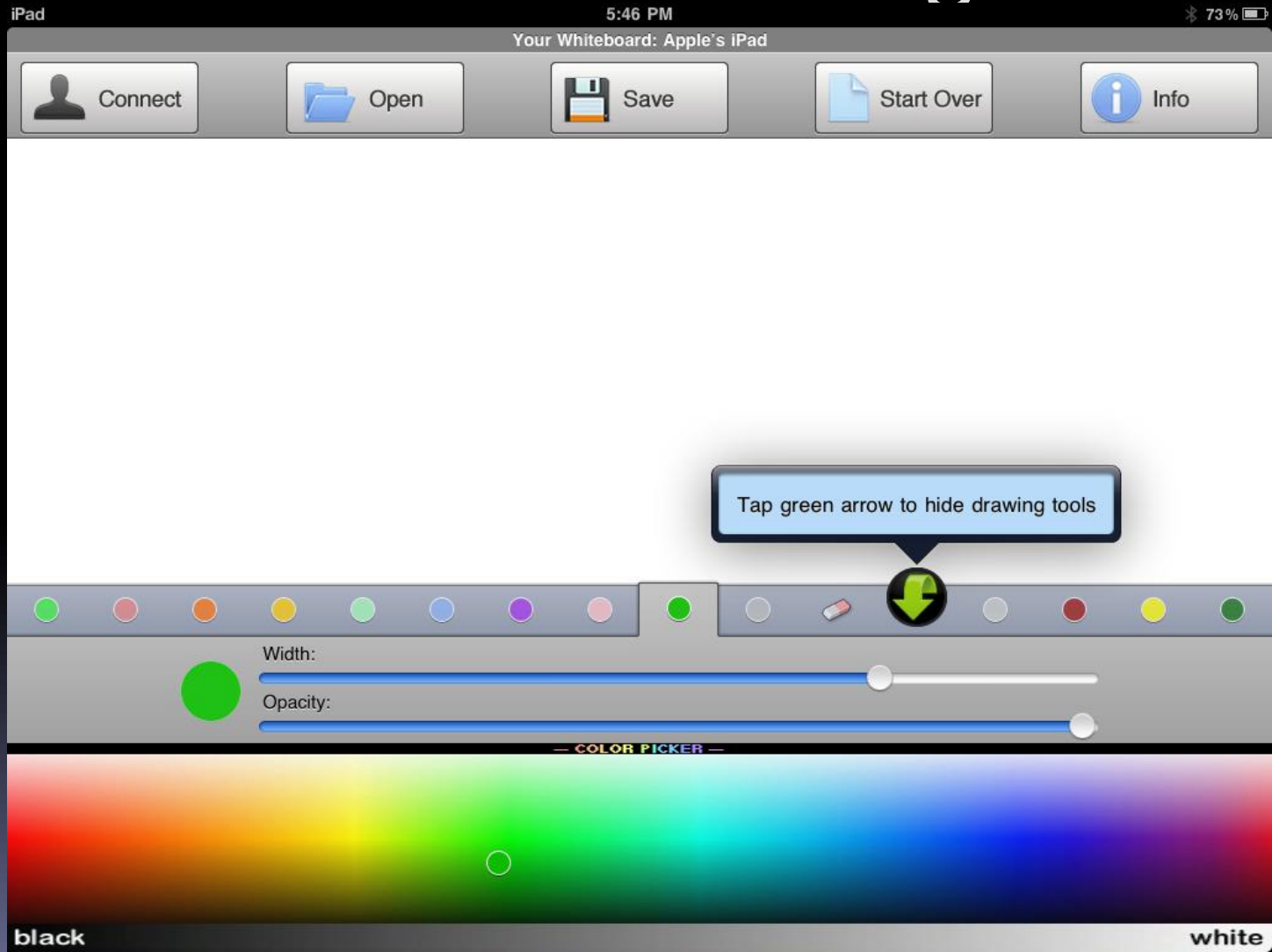
melting ice caps

global warming

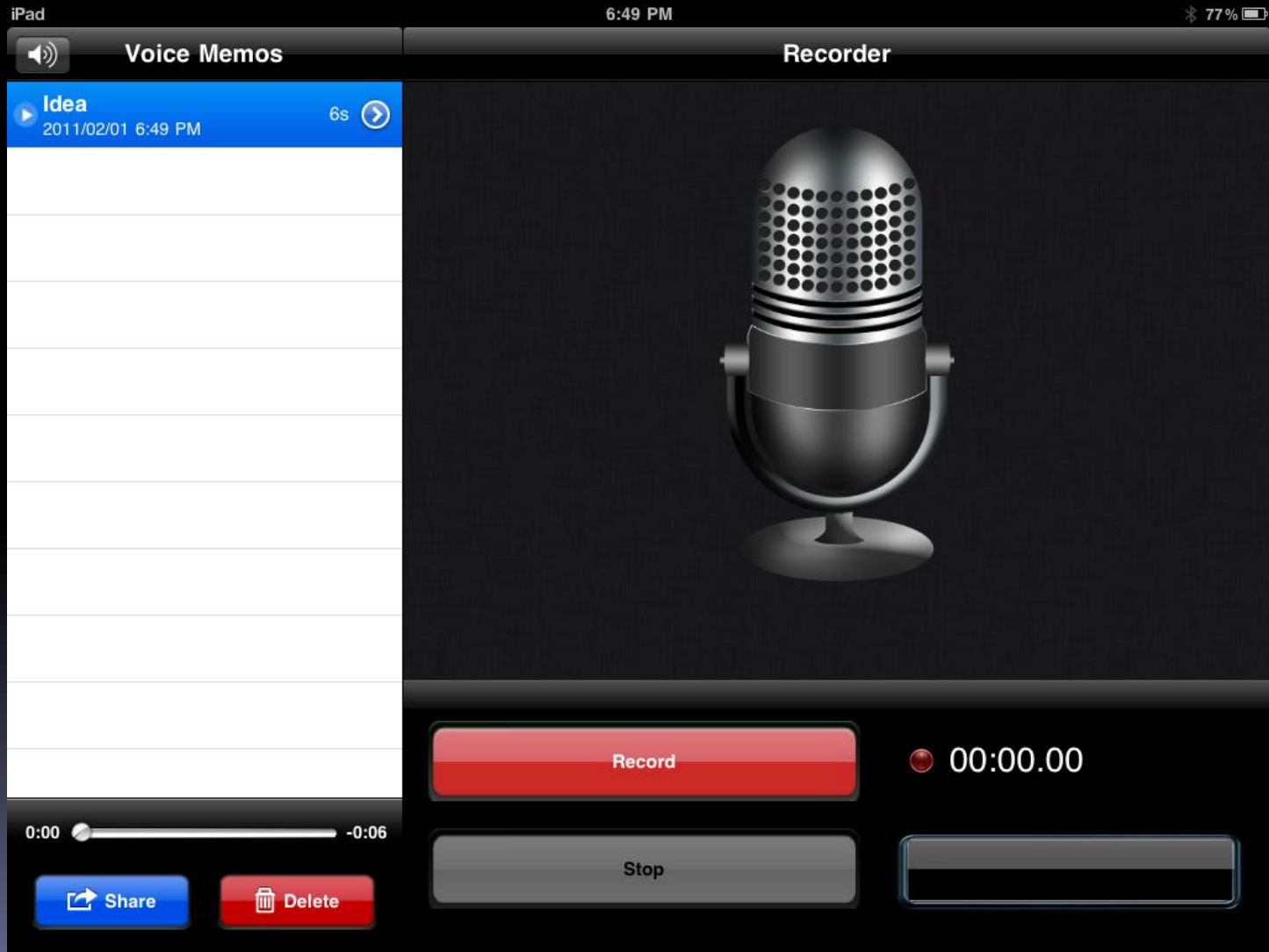
co2 levels

Whiteboard (lite) 2.99

Collaborative Drawing



Voice Memos - \$.99(to share)



Animoto – free

Create Video



The end of slideshows.

30-second Short

Full-length Video



Create Video



My Videos



Feedback



More

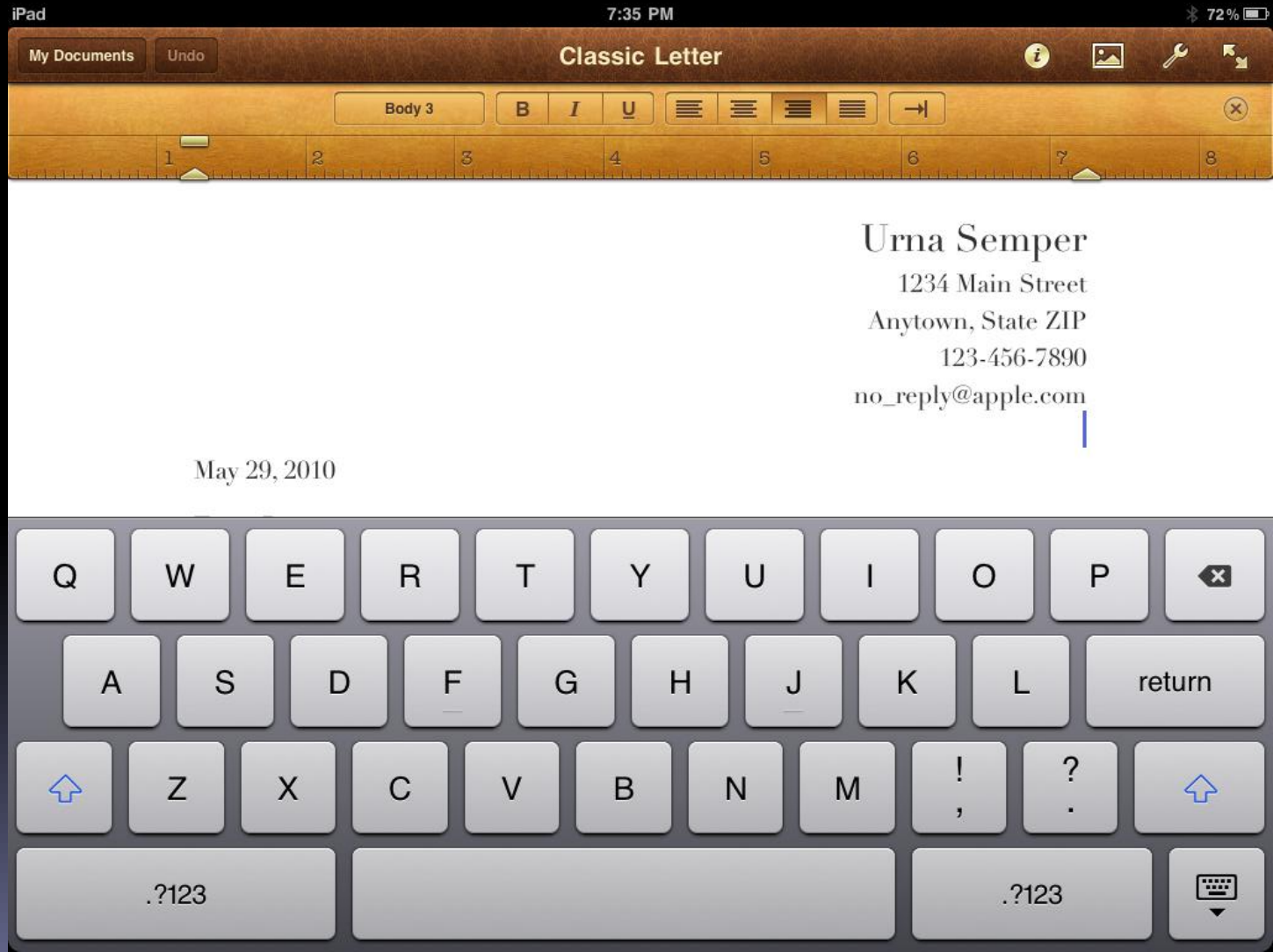
Puppet Pals HD - free..



Strip Design \$2.99



Pages - \$9.99



Dropbox - free

iPad

5:48 PM

73%

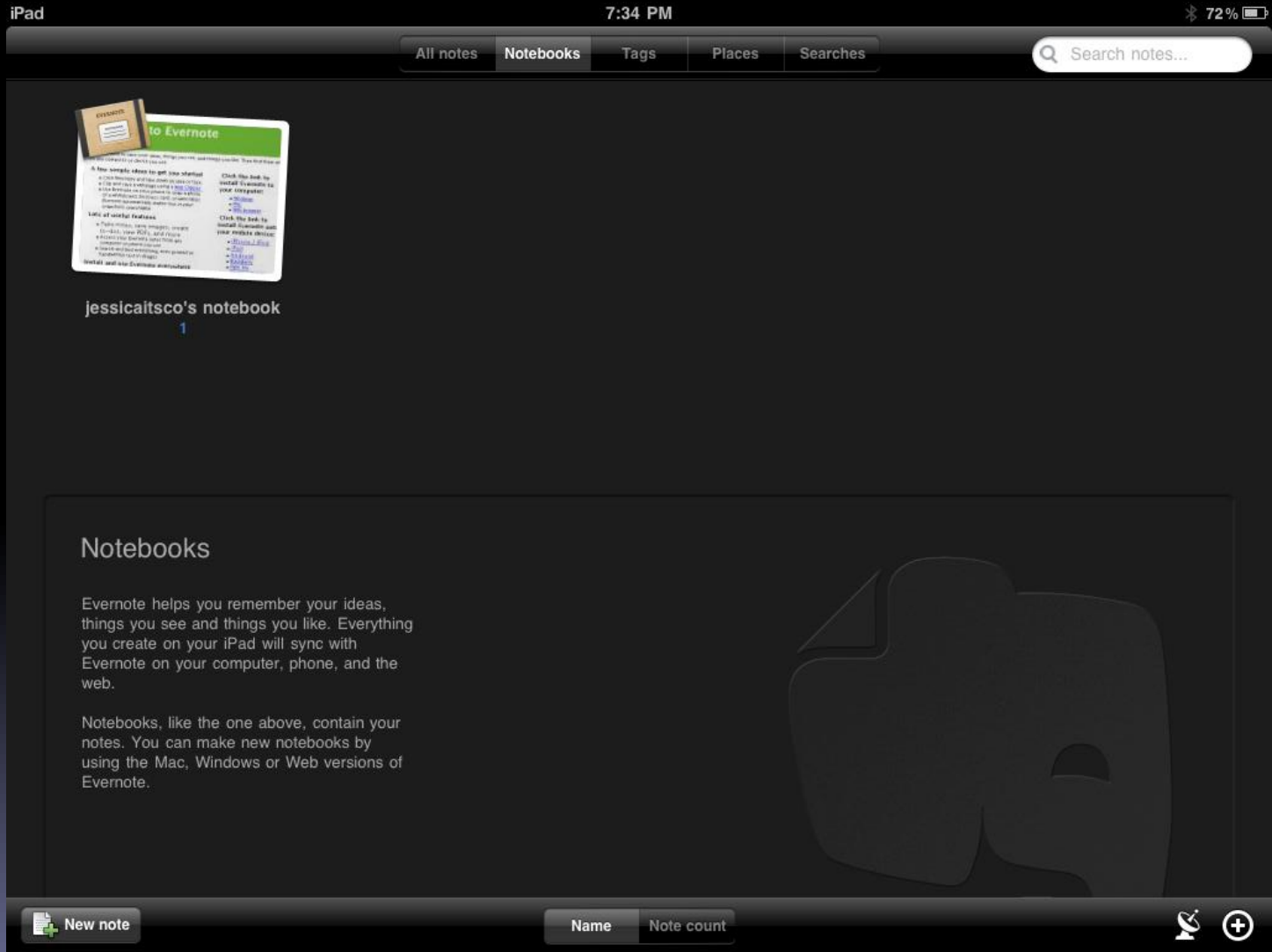


Dropbox

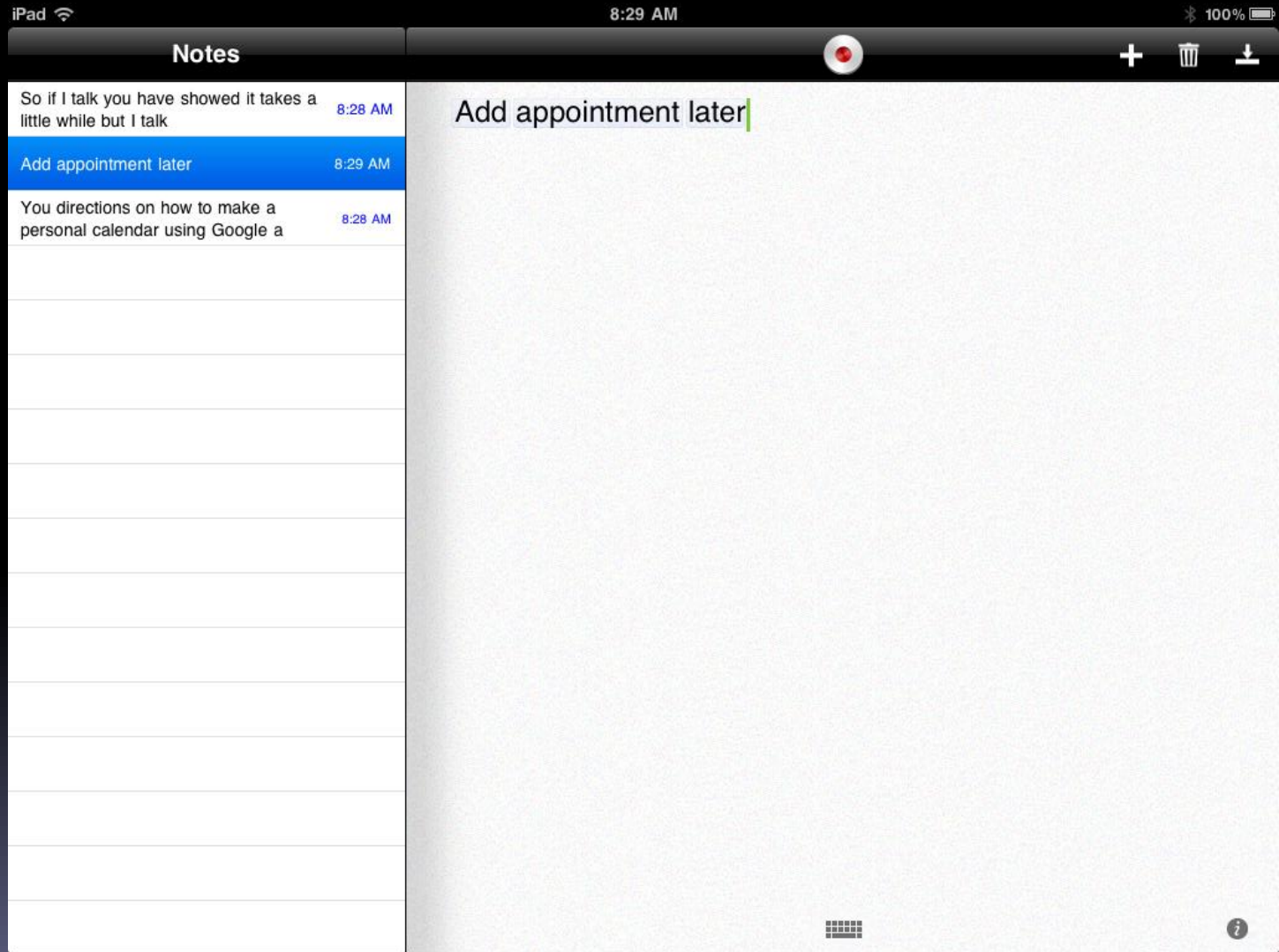
Office HD - \$7.99



Evernote - free



Dragon Dictation - free



TeamViewer – free



TeamViewer
mobile for iPhone



Subject Areas: Science

The Elements

\$13.99

Xe

Au 79

Gold

Atomic Number: 79
Crystal Structure: Face-Centered Cubic

Atomic Weight: 196.96657
Density: 19.3 g/cm³
Melting Point: 1063.00°C
Boiling Point: 2855.00°C
Electronegativity: 2.54

Electron Configuration: [Xe] 4f¹⁴ 5d¹⁰ 6s¹
Electron Shell: 2, 8, 18, 32, 18, 1
Electron Subshell: 5s² 5p⁶ 5d¹⁰ 6s¹

WillmannAlpha



Navigation: Home, Back, Forward

GoSkyWatch - free



San Francisco Mar 30, 2010 7:59 PM

A star chart from the GoSkyWatch application. The background is a dark sky with a grid of lines representing constellations. A large, semi-transparent silhouette of the constellation Cancer (the Crab) is centered in the lower-left quadrant. The planet Mars is highlighted with a red dot and a small red circle. A data panel for Mars is overlaid on the left side of the chart. The chart also shows other stars and constellations, with some stars marked with red and green symbols. The top of the chart displays the location and time: "San Francisco Mar 30, 2010 7:59 PM".

Mars	
	Az 136.10°(SE) El 70.06° RA 8h 22' 27" Dec +22° 25' 40" Mag 0.1 91.6% Size 9.27"
Orbital period 687 days (1.9 years)	
Diameter 4,208.2 mi (0.53 Earths)	
Distance 93,629,107 mi	
1.007 AU	
Light time 00:08:22.6"	
Gravity 0.38 g	
Rise 3/31/10 1:42 PM 61.2°(NE)	
Transit 3/31/10 8:55 PM 74.6° el	
Set 4/1/10 4:09 AM 298.8°(NW)	

Az 136.10°
El 70.06°
Zm 107"

Mars
0.1 mag
1.01 AU

Cancer
(Crab)

E S

Science Glossary VL - free

iPad 5:40 PM 74%

Index

Search

A

Absolute zero

Accuracy

Acid

Acid Rain

Activation Energy

Adams, John Couch

Adsorb

Aesthenosphere

Agricola, Georgius

Alchemy

Alcohol

Alhazen

Alkanes

Alkenes

Alkyne

Science Glossary @ Visionlearning

density

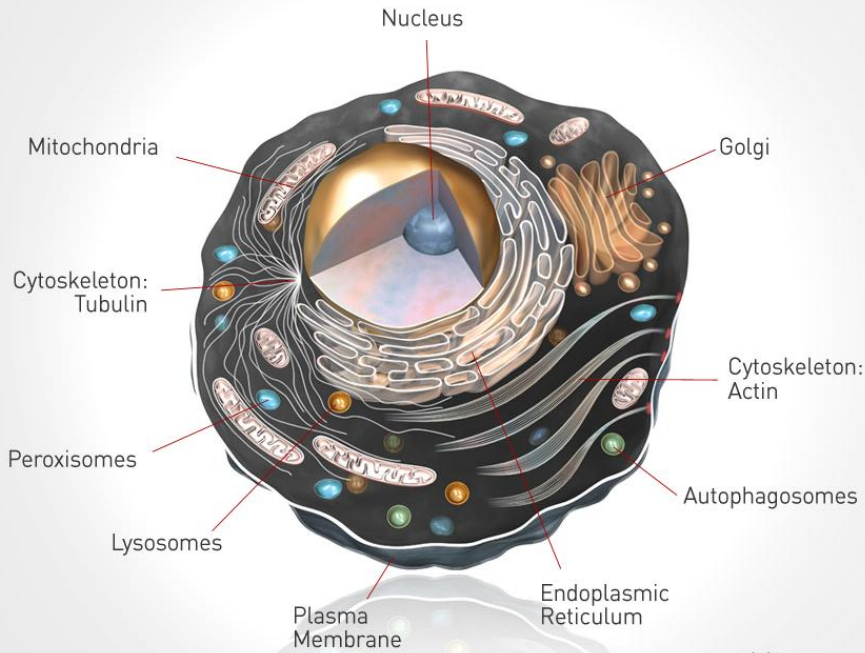
A measure of the compactness of a substance given by the [mass](#) per [unit](#) volume ($d = m/v$). Common units of density include g/ml, g/cm^3 , and kg/L. A measure of lead is not heavier than an equivalent measure of styrofoam, it is denser.

This word appears in the following modules on the Visionlearning website

- Density**
- Earth Structure**
- Earth's Atmosphere**
- Matter: States of Matter**

3D Cell Stain - free

Touch Name to View Structure Information



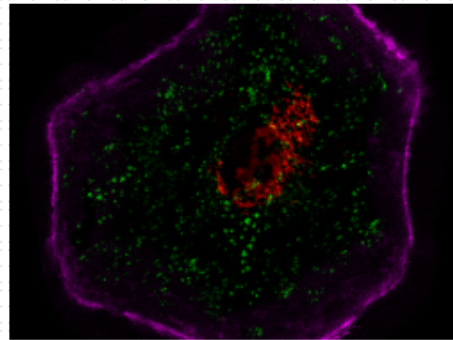
Stain Your Own Cell

3D Cell

Structures

Cell Videos

Feedback



Applied Stains				
Product Name	Cat. No.	Live	Fixed	
LC3B antibody with Alexa Fluor [®] 488 goat anti-rabbit IgG (A11034)	L10382	<input type="checkbox"/>	<input checked="" type="checkbox"/>	X
CellLight [™] Golgi-RFP*BadMam 2.0*	C10593	<input checked="" type="checkbox"/>	<input type="checkbox"/>	X
CellMask [™] Deep Red plasma membrane stain	C10046	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X

add email help

Stain Your Own Cell

3D Cell

Feedback

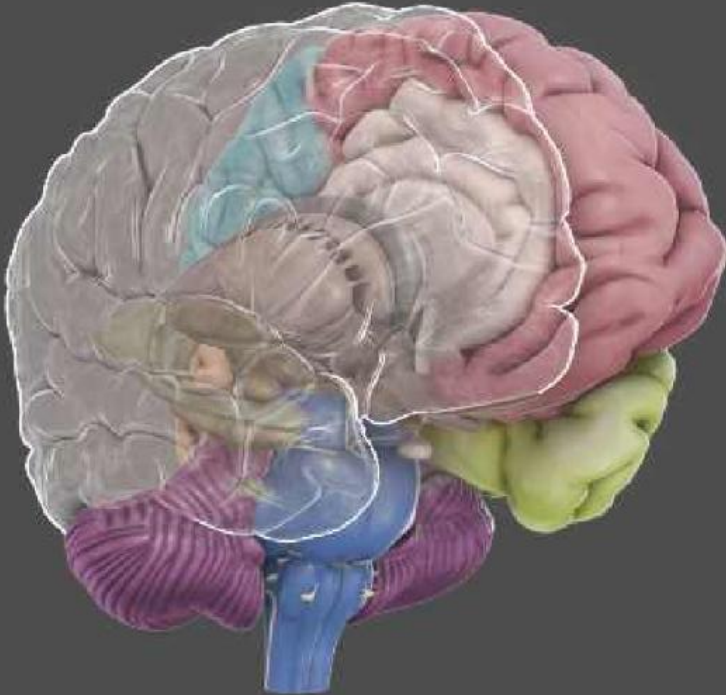
molecular probes | invitrogen
by life technologies

Select Your Stain	Cell Structure	Color	Product Name	Live	Fixed
	Autophagosomes	Blue	CellMask [™] Deep Red plasma membrane stain	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Cytoskeleton-Actin	Green		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Cytoskeleton-Tubulin	Orange-Red		<input type="checkbox"/>	<input type="checkbox"/>
	Endoplasmic Reticulum	Far Red		<input type="checkbox"/>	<input type="checkbox"/>
	Endosomes			<input type="checkbox"/>	<input type="checkbox"/>
	Golgi			<input type="checkbox"/>	<input type="checkbox"/>
	Lysosomes			<input type="checkbox"/>	<input type="checkbox"/>
	Mitochondria			<input type="checkbox"/>	<input type="checkbox"/>
	Nucleus			<input type="checkbox"/>	<input type="checkbox"/>
	Peroxisomes			<input type="checkbox"/>	<input type="checkbox"/>
	Plasma Membrane			<input type="checkbox"/>	<input type="checkbox"/>

* retained after fixation

molecular probes | invitrogen
by life technologies

3D Brain - free



Whole Brain

- Amygdala
- Basal Ganglia
- Brain Stem
- Broca's Area
- Cerebellum
- Cingulate Gyrus
- Corpus Callosum
- Dentate Gyrus
- Entorhinal Cortex
- Frontal Lobe
- Hippocampus
- Hypothalamus
- Limbic System
- Middle & Inferior...

Structures

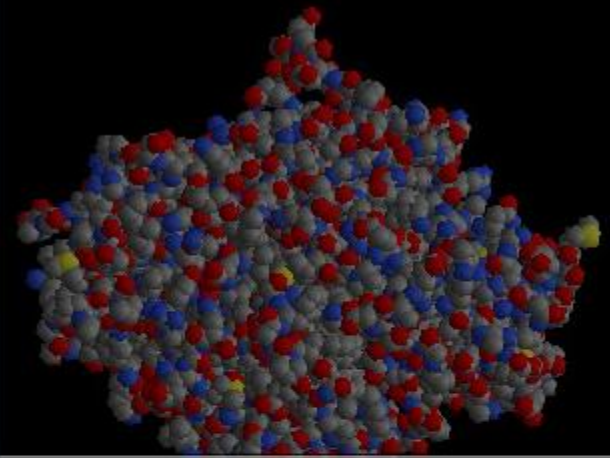
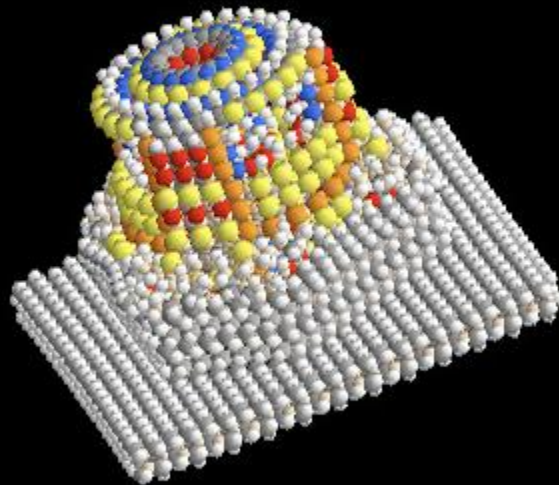
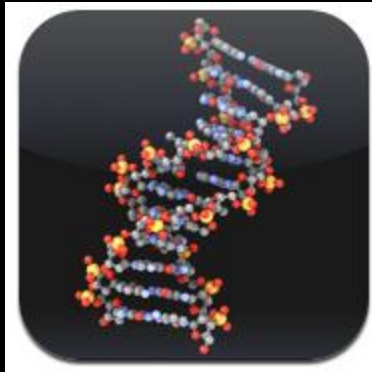
T Info

L Labels

Search

? Help&About

Molecules - free



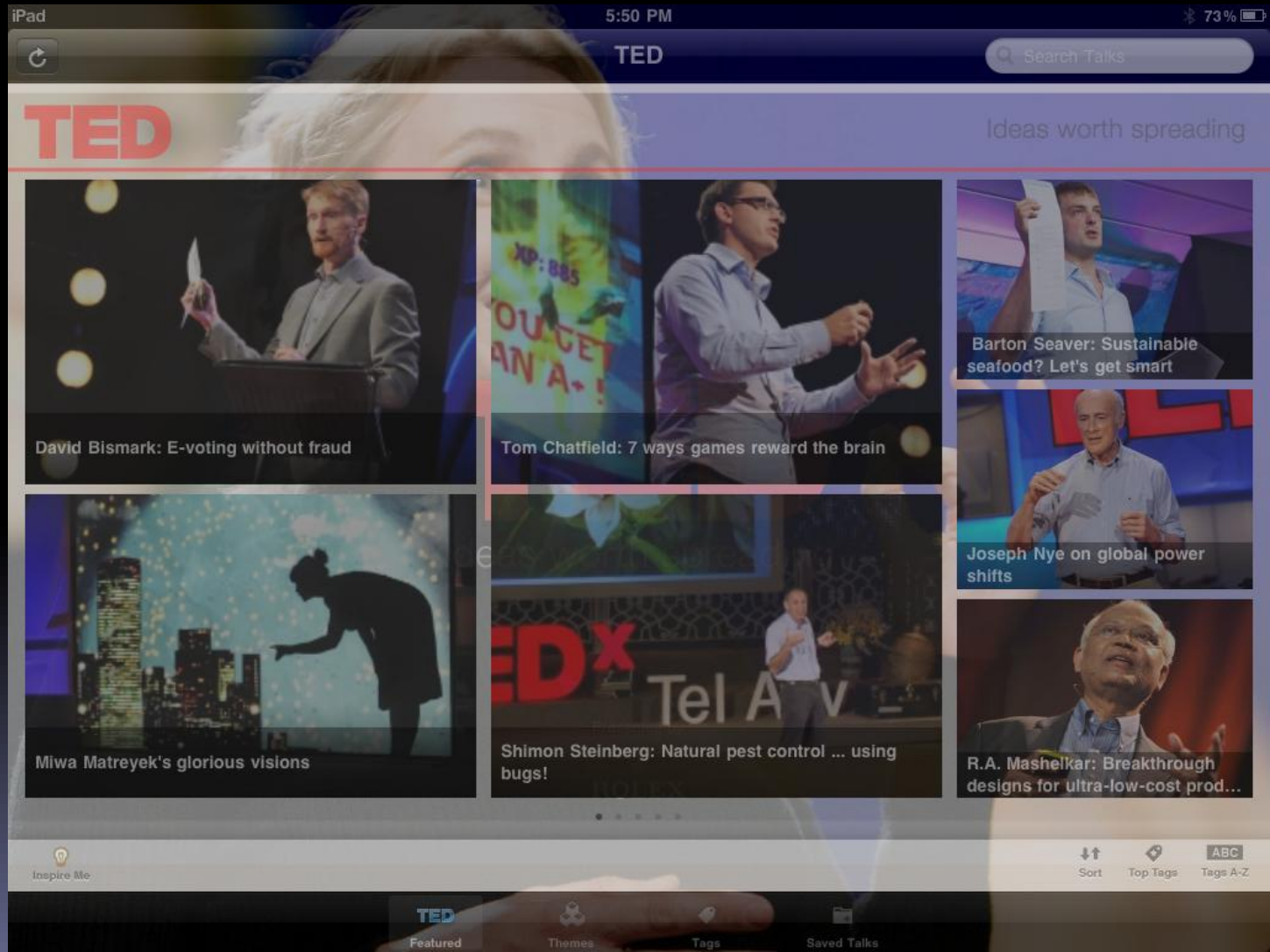
Visualization mode

Ball-and-stick

Cylinders

Spacefilling

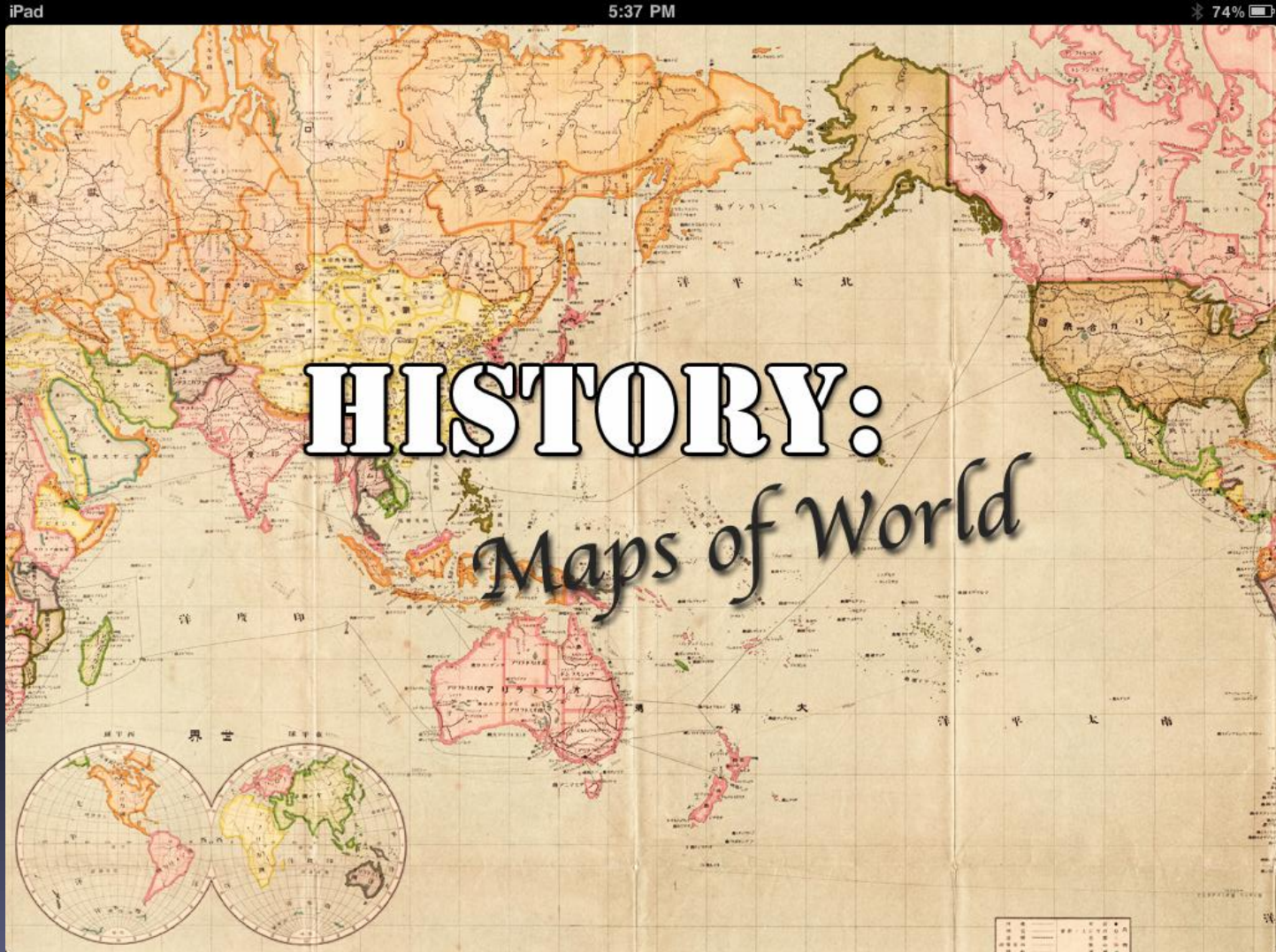
TED Talks - free





Subject Areas: Social Studies

HistoryMaps - free



Google Earth - free

iPad

6:45 PM

77% 

Google™ earth



This Day in History - free

iPad 5:37 PM 74%

THIS DAY IN HISTORY

Today

February

30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	1	2	3	4
5	6	7	8	9	10	11

January

February

March

April

May

June

July

August

September

October

November

December

7 events

February 2

WORLD BOOK®

 By the Treaty of Guadalupe Hidalgo, Mexico gave New Mexico and California to the United States, 1848.



 Hungary was declared a republic, 1946.



 Jascha Heifetz, Lithuanian American violinist, born 1901.



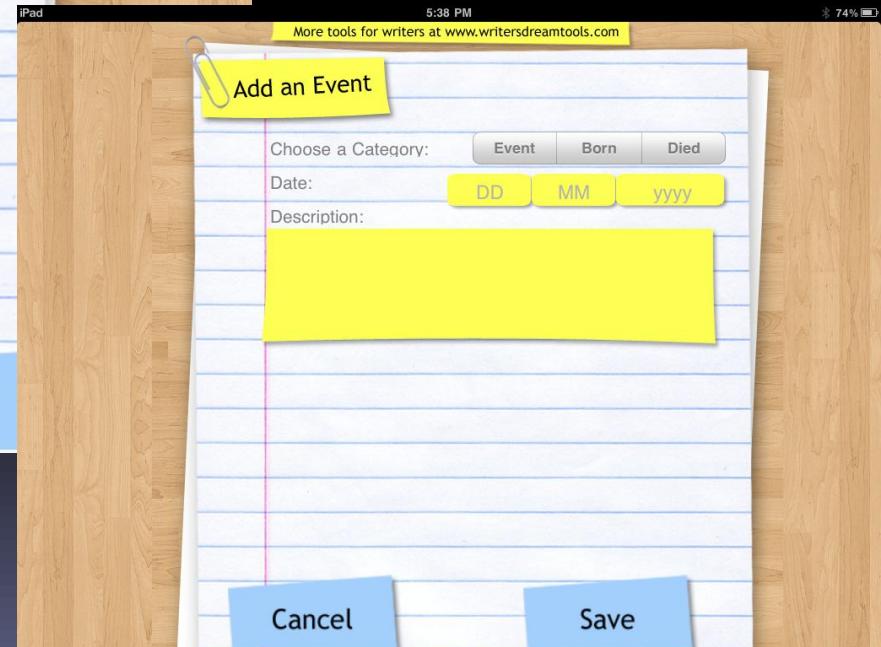
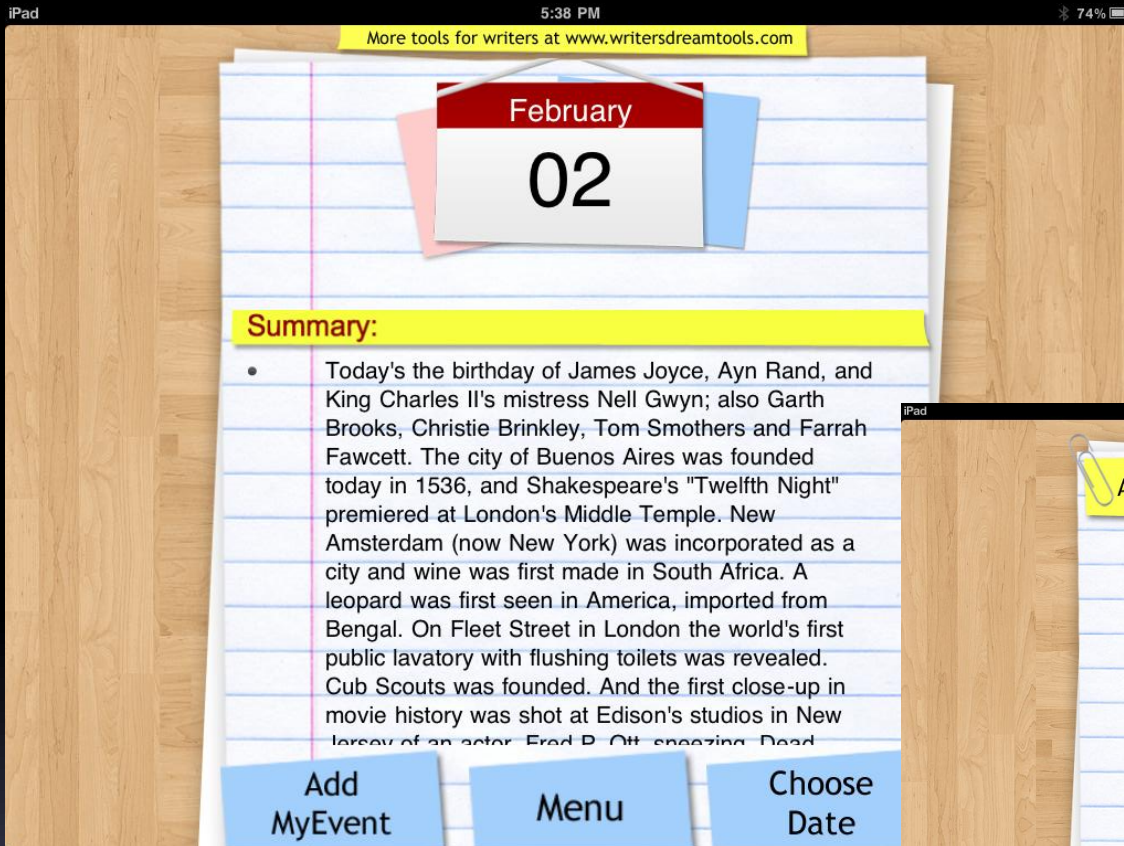
 James Joyce, Irish novelist and poet, born 1882.



Ohio Markers - free



History Tools - \$.99



Constitution - free


iPad 5:38 PM 74%

Signer Bios

- Preamble >
- Article I >
The Legislative Branch
- Article II >
The Presidency
- Article III >
The Judiciary
- Article IV >
The States
- Article V >
The Amendment Process
- Article VI >
Legal Status of the Constitution
- Article VII >
Ratification
- Signers (as written) >
- Amendments I-X >
Bill of Rights
- Amendment XI >
Suits Against States
- Amendment XII >
Election of President
- Amendment XIII >
Slavery and Involuntary Servitude
- Amendment XIV >
Rights Guaranteed: Privileges and Immunities of...
- Amendment XV >
Rights of Citizens to Vote
- Amendment XVI >
Income Tax

We the People

CONSTITUTION



The image shows a digital interface for the US Constitution. On the left is a table of contents with a red header bar containing an information icon. The main content area features a background of the Constitution's opening words, 'We the People', in a large, elegant script. Below this, the word 'CONSTITUTION' is written in a bold, blue, serif font. Centered in the foreground is a blue and white graphic of an eagle with its wings spread, perched on a shield with vertical stripes, and holding arrows in its talons.



Subject Areas:

Math

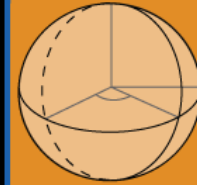
Math Ref Free 2.3.2

Math Ref Free

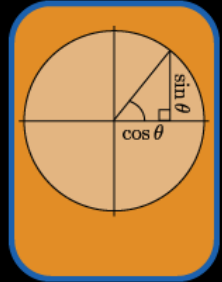
Algebra

$$x^2$$

Geometry



Trigonometry



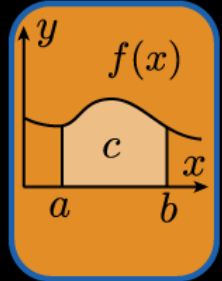
Series & Sequences

$$\sum_{i=0}^{\infty} f(x_i)$$

Differentiation

$$\frac{d}{dx} f(x)$$

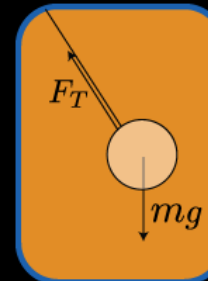
Integration



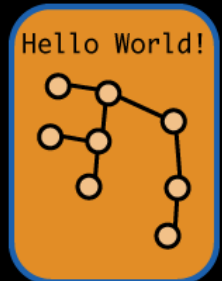
Probability & Statistics

$$P(A|B)$$

Physics



Algorithms



Quick Graph - free

iPad 5:41 PM 74%

Equations Edit

y= Done

Only expressions of the form var = f(var) supported.

-3.00
-2.00
-1.00
-4.01 -3.00 -2.00 -1.00 1.00 2.00 3.00 4.01

x y r θ () , \leftarrow \rightarrow \times

sin cos tan cot sec csc = ; / 7 8 9

asin acos atan sinh cosh tanh < > \times 4 5 6

coth sech csch ln log log2 e \wedge - 1 2 3

abs ceil floor if max min π $\sqrt{\quad}$ + 0 .

mod todeg torad d/dx d/dy

Easel Algebra (Lite) - \$7.99

iPad 5:42 PM 74%

Sections Expressions

1	A	B	C	D	E
2	A	B	C	D	E
3	A	B	C	D	E
4	A	B	C	D	E
5	A	B	C	D	E
6	A	B	C	D	E

Easel Algebra I Lite

1. What is the greatest common factor (GCF) of 68 and 102?

(A) 4
(B) 6
(C) 8
(D) 17
(E) 34

Handwritten work:

$$\begin{array}{l} 68 \\ / \quad \backslash \\ 2 \quad 34 \\ \quad / \quad \backslash \\ \quad 2 \quad 17 \end{array} \qquad \begin{array}{l} 102 \\ / \quad \backslash \\ 2 \quad 51 \\ \quad \quad / \quad \backslash \\ \quad \quad 3 \quad 17 \end{array}$$

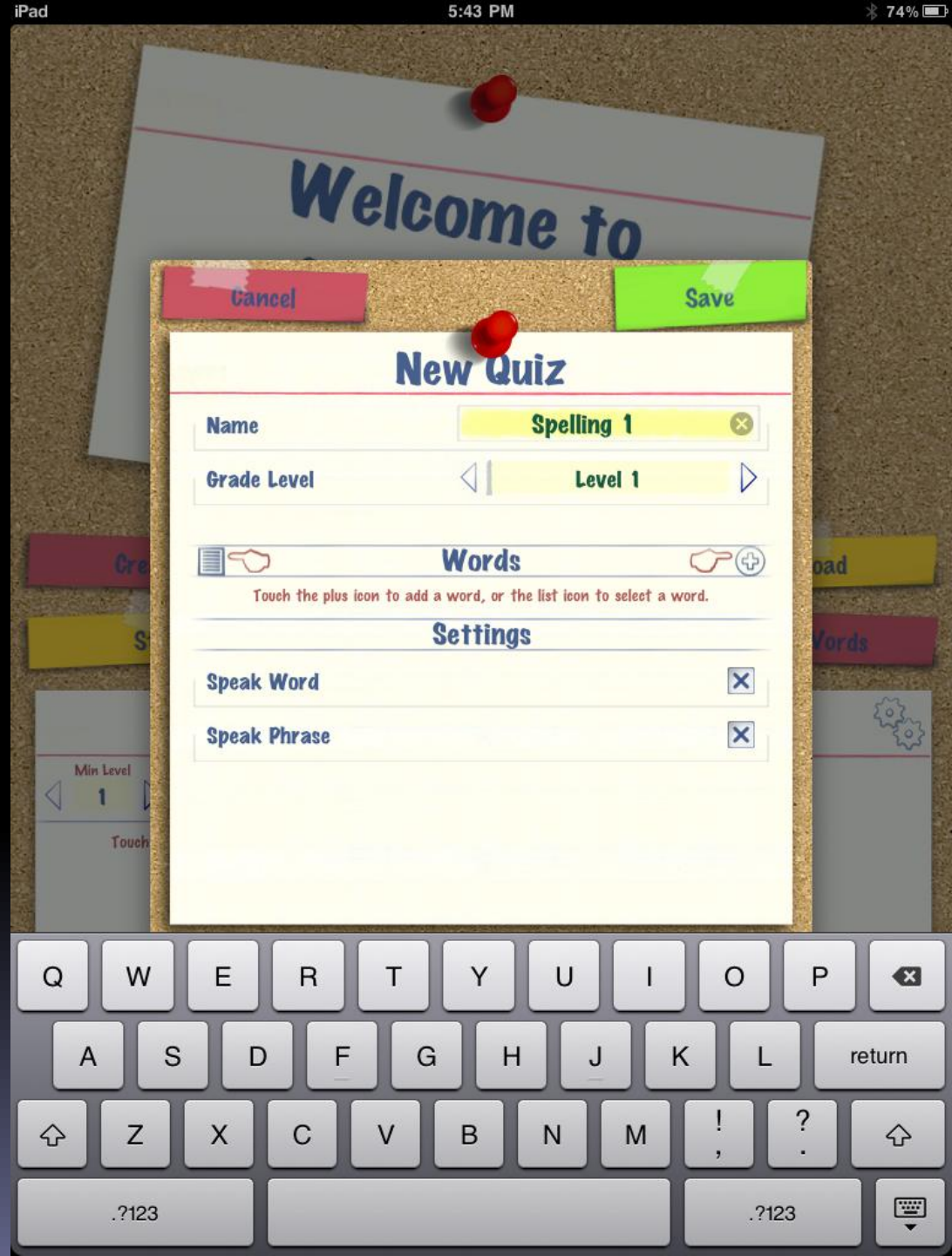
0:27 1:04

See Answers ShowMe!



Subject Areas: Language Arts

SpellBoard free



Dictionary - free

iPad 5:43 PM 74%

Thesaurus.com

hot

hot
-adjective
Main Entry: hot
Definition: very high in temperature
Synonyms:
baking, blazing, blistering, [boiling](#), [broiling](#), [burning](#), calescent, [close](#), decalescent, [febrile](#), fevered, [feverish](#), feverous, [fiery](#), [flaming](#), [heated](#), [humid](#), igneous, [incandescent](#), like an oven, on fire, ovenlike, parching, piping, recalescent, [red](#), roasting, scalding, scorching, searing, sizzling, smoking, steaming, [stuffy](#), [sultry](#), summery, [sweltering](#), sweltry, thermogenic, [torrid](#), tropic, [tropical](#), very warm, [warm](#), [white](#)

Antonyms:
[cold](#), [cool](#), [freezing](#), [frigid](#)

-adjective
Main Entry: hot
Definition: spicy to taste
Synonyms:
[acrid](#), [biting](#), [peppery](#), [piquant](#), [pungent](#), [racy](#), [sharp](#), [spicy](#), [zestful](#)

Antonyms:
[mild](#), [moderate](#)

-adjective
Main Entry: hot
Definition: passionate, vehement
Synonyms:
[angry](#), [animated](#), [ardent](#), aroused, [distracted](#), [eager](#), [enthusiastic](#), [excited](#), [fervent](#), [fervid](#), [fierce](#), [fiery](#), [furious](#), [ill-tempered](#), [impassioned](#), [impetuous](#), [indignant](#), [inflamed](#), [intense](#), [irascible](#), [lustful](#), [raging](#), [stormy](#), [temperamental](#), [touchy](#), [violent](#)

Antonyms:

Dictionary Thesaurus Recent Word of the Day

Wolfram Alpha

iPad 5:43 PM 74%

Examples

- Getting Started >
- Mathematics >
- Statistics & Data Analysis >
- Physics >
- Chemistry >
- Materials >
- Engineering >
- Astronomy >
- Earth Sciences >
- Life Sciences >
- Technological World >
- Transportation >
- Computational Sciences >
- Web & Computer Systems >
- Units & Measures >

Examples History Favorites About

WolframAlpha

what is the world's largest country?

Input interpretation

largest country
in world

Result by total area

1	Russia	6.593 million mi ²	<input type="text"/>
2	Canada	3.855 million mi ²	<input type="text"/>
3	United States	3.719 million mi ²	<input type="text"/>
4	China	3.705 million mi ²	<input type="text"/>
5	Brazil	3.288 million mi ²	<input type="text"/>

More Info

Result by GDP

1	United States	\$14.6 trillion per year	<input type="text"/>
2	China	\$5.308 trillion per year	<input type="text"/>
3	Japan	\$5.179 trillion per year	<input type="text"/>
4	Germany	\$3.402 trillion per year	<input type="text"/>
5	France	\$2.669 trillion per year	<input type="text"/>

Shakespeare in Bits – Romeo and Juliet (Lite) \$14.99

iPad 6:45 PM 77%

ROMEO & JULIET The Play

Act 1 Scene 1

TEXT NOTES SYNOPSIS

Prev. Section Next Section



0:10 -0:32

ON Auto-Advance

A Marketplace in Verona
Enter SAMPSON and GREGORY, with swords and bucklers, of the house of CAPULET.

SAMPSON
Gregory, on my word we'll not carry coals.

GREGORY
L No, for then we should be colliers.

SAMPSON
L I mean, and we be in choler we'll draw.

GREGORY
T Ay, while you live, draw your neck out of collar.

SAMPSON
I strike quickly being moved.

GREGORY
But thou art not quickly moved to strike.

SAMPSON
A dog of the house of Montague moves me.

GREGORY
To move is to stir, and to be valiant is to stand:
therefore if thou art moved thou run'st away.

SAMPSON

Home Play Scenes Cast Analysis Info

Inkling – free (buy books)

iPad

6:51 PM

77%

Some Basic Rules of Usage

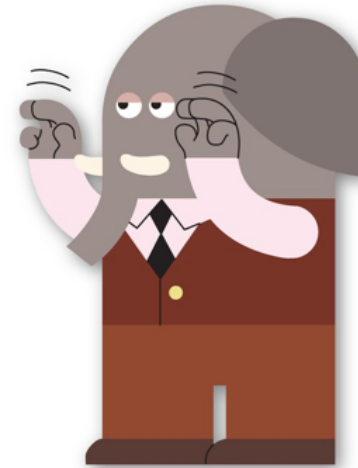
Quotation marks

Formal quotations, cited as documentary evidence, are introduced by a colon and enclosed in quotation marks.

- *The provision of the Constitution is: “No tax or duty shall be laid on articles exported from any state.”*

Quotations grammatically in apposition or the direct objects of verbs are preceded by a comma and enclosed in quotation marks.

- *I recalled the admonition of the professor, “Everyone stop using your laptops! wtf.”*



You can quote me: Using “scare quotes,” even when you’re being “sarcastic,” gets old after awhile. Use sparingly.

Marvel – free (buy books)

Close 13 of 25 Settings

FREE, YES. BUT ALONE. THE GODS I REMEMBER THOSE I CALLED FRIEND AND BROTHER AND LOVER ARE DEAD--

ARE THEY? ARE YOU SURE?

IF IT IS FOR MORTALS TO SAY WHETHER THE GODS EXIST, THEN I SAY THAT THEY LIVE ON, IN THE HEARTS AND SOULS AND MINDS OF MORTALS.

THEY ONLY NEED TO BE FOUND AND AWAKENED.

AND WHAT OF ASGARD?

WHERE THERE IS THICK, THERE IS ASGARD.

iBooks – free (buy some books)



A vertical bar on the left side of the slide, consisting of several colored segments: a white segment at the top, a dark grey segment, a purple segment, and a teal segment at the bottom.

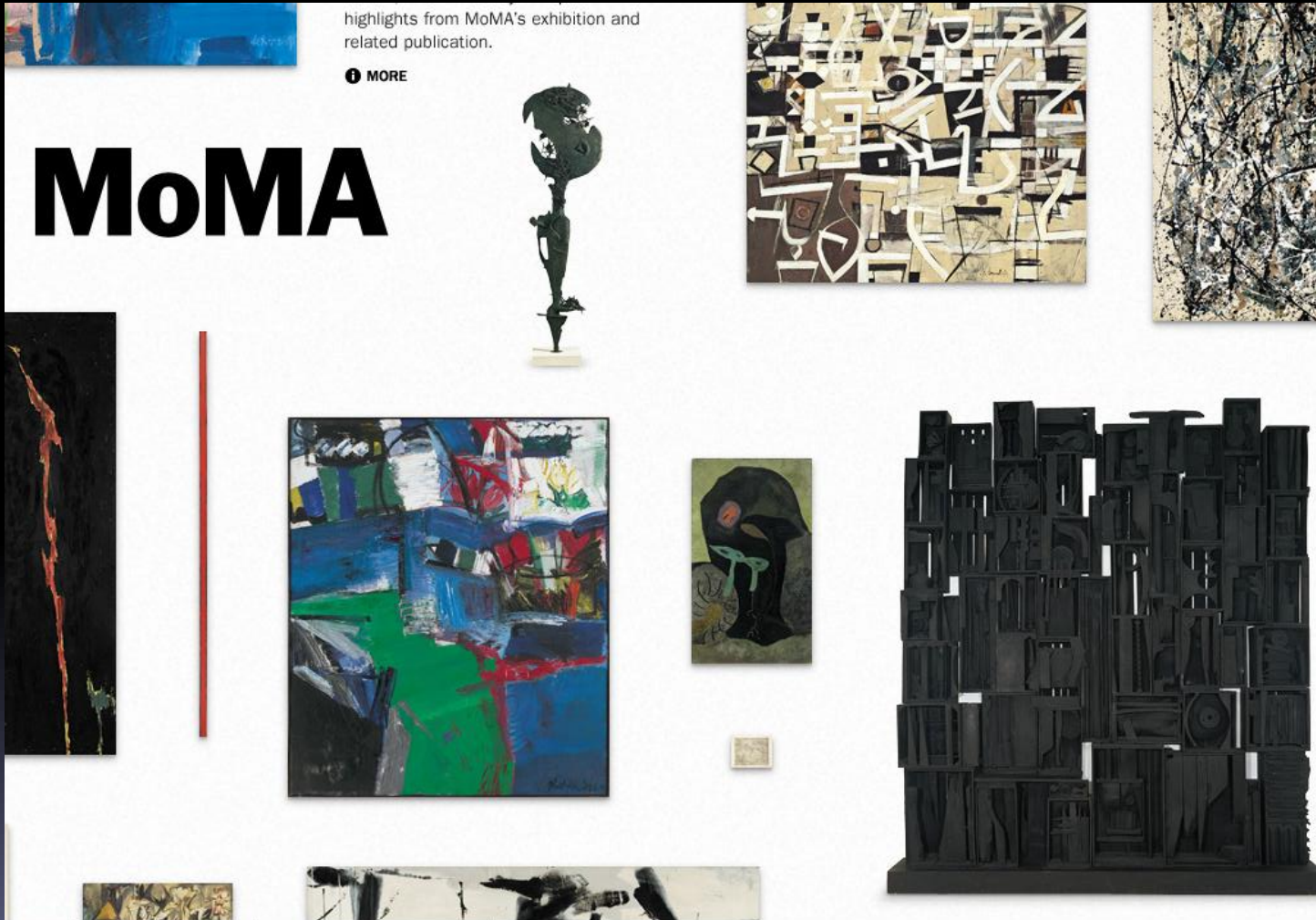
Subject Areas:

Visual Art, Music, Theater

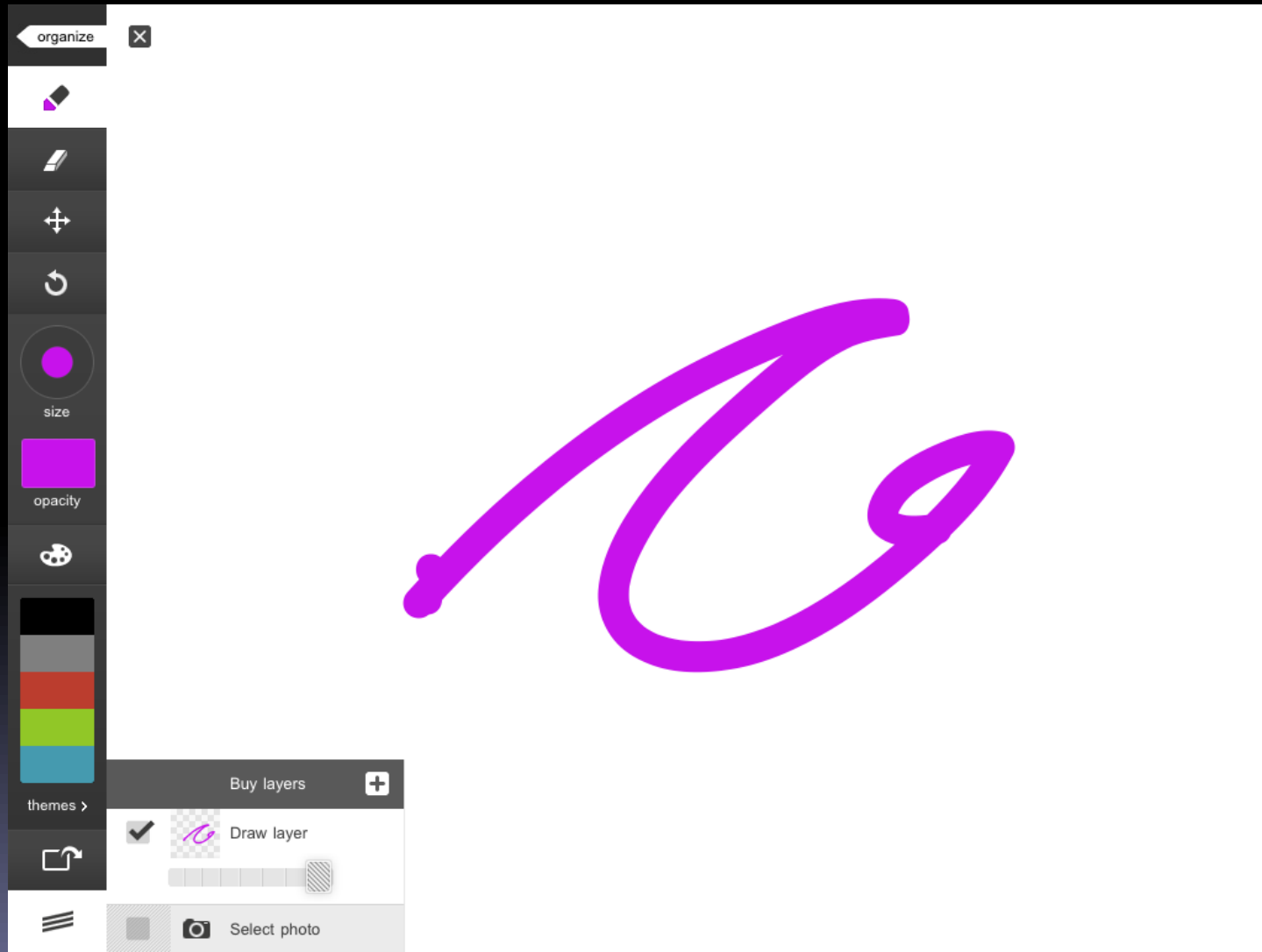
PhotoPad - free



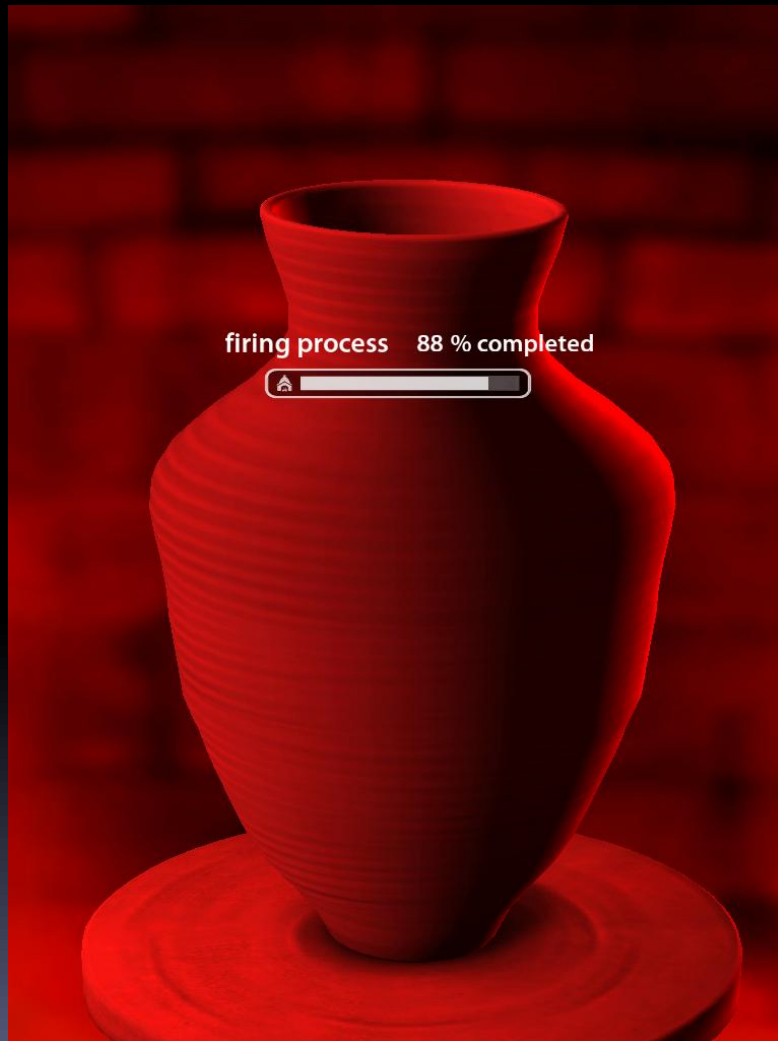
MoMA AB EX NY - free



Adobe Ideas - free



Let's Create! Pottery HD - \$4.99



Beautiful Planet - \$1.99



Istanbul, Turkey

Named for the color of its 20,000 tiles, the Blue Mosque and six minarets announce its imposing silhouette atop the capital of the Ottoman Empire, sitting astride two continents.

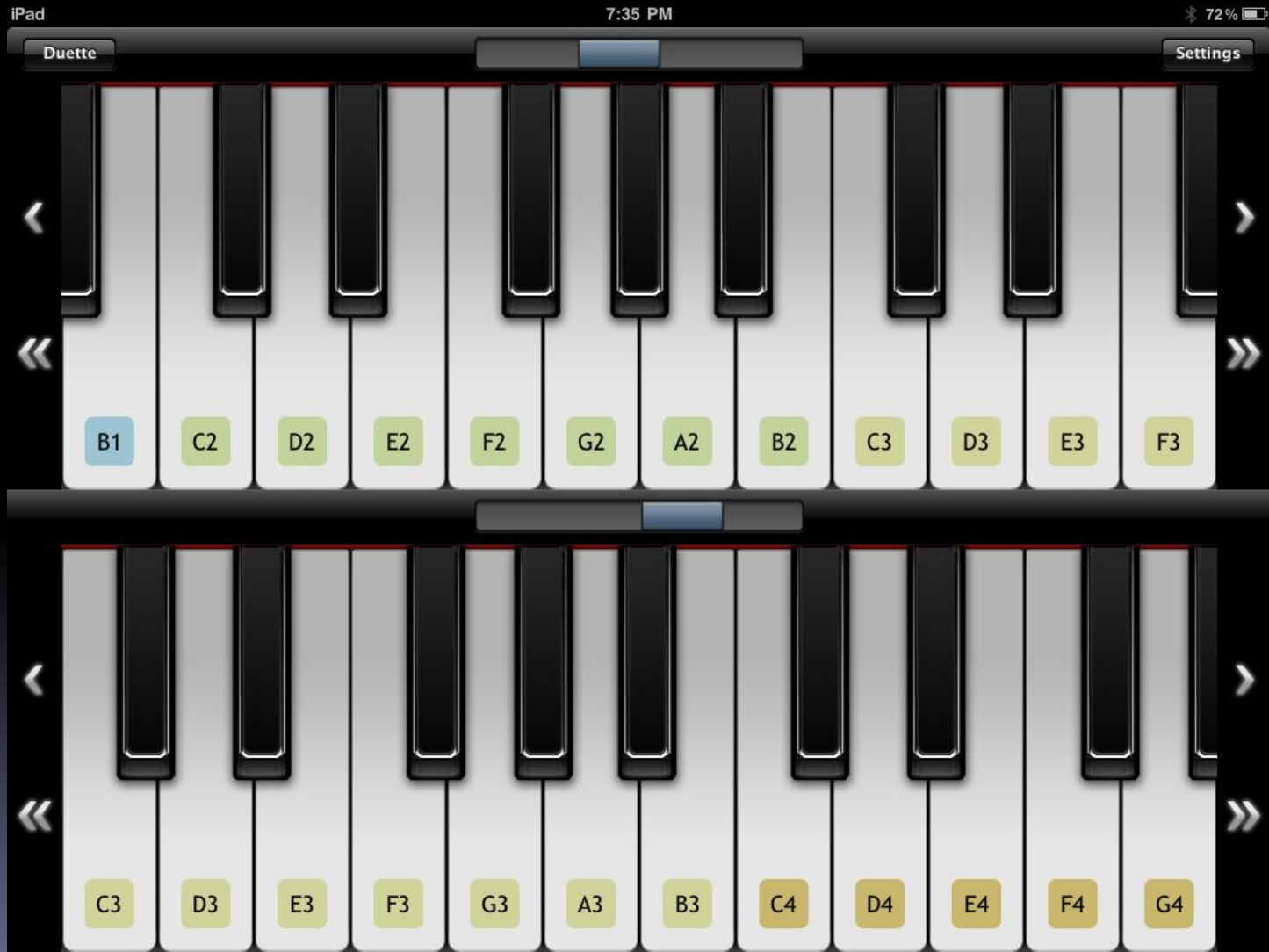
-Peter Guttman



AirGuitar - free



Pocket Piano - free





itseo