



Eighth Grade Apps

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Science 360 for iPad



- The National Science Foundation Science 360 for iPad provides easy access to engaging science and engineering images and video from around the globe and a news feed featuring breaking news from NSF-funded institutions.
- The app features spectacular images, video, and breaking stories in scientific discovery.
- Skills: Science
- Requirements: Compatible with iPad. Requires iOS 4.2 or later.
- Price: Free

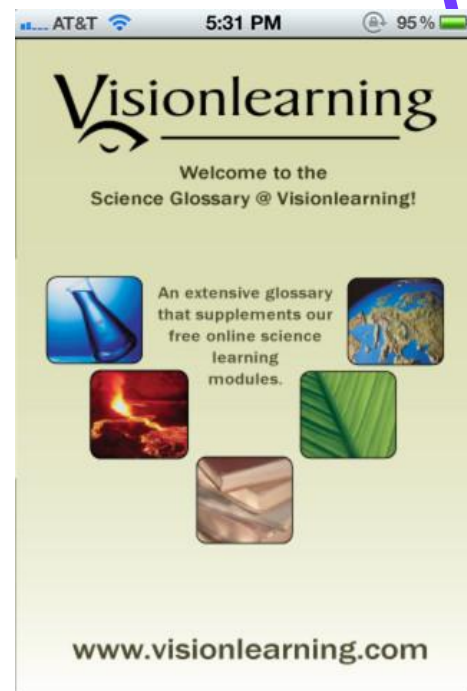
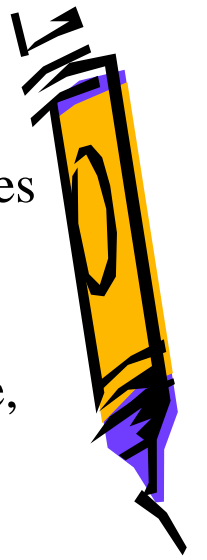


URL: <http://itunes.apple.com/us/app/science360-for-ipad/id439928181?mt=8>

(Norman 2013)

Science Glossary

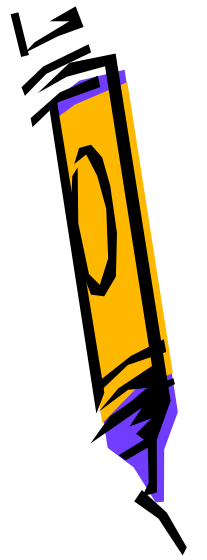
- A glossary of scientific terms and short biographies that support the science education website (www.visionlearning.com).
- All the definitions link to related terms and to free, detailed science learning modules.
- Students can use this glossary to look up difficult scientific terms and gain a clear understanding of these terms.
- Skills: Science
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 4.3 or later.
- Price: Free



URL: <http://itunes.apple.com/us/app/science-glossary/id331657060?mt=8>

(Norman 2013)

Blausen Human Atlas



- The Blausen English Human Atlas combines 3D medical animations in English with a cross searchable medical term glossary and detailed still images.
- Apps covers the following topics: cancer, circulatory, digestive, ear, endocrine, eye, immune, muscular, nervous, pediatric, reproductive, respiratory, skeletal, skin, and urinary systems.
- Make sure to use the “In App Purchase” option when buying any other Blausen products to save money.
- Requirements: Requires internet connection. Compatible with iPhone, iPod touch, and iPad. Requires iOS 4.0 or later.
- Price: \$19.99

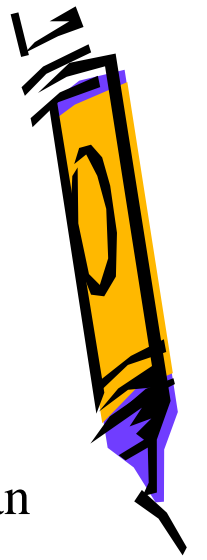


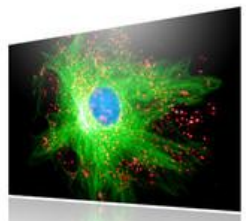
URL: <https://itunes.apple.com/us/app/blausen-human-atlas/id308338025?mt=8>

(Norman 2013)

3D Cell Simulation and Stain Tool

- The app allows students to create their own cell image and explore a 3D cell.
- Students can learn about the cell and all its structures using the new 3D Cell tool. Students can enjoy the ability to rotate the cell 360 degrees and zoom in on any cell structure. There are over 250 image combinations to explore.
- Skill: Biology, Biochemistry, Life Sciences
- Requirements: Compatible with iPad. Requires iOS 3.2 or later.
- Price: Free



3D Cell	Stain Your Own Cell
	
<p>Learn about the cell and all its structures using our new 3D Cell tool. Enjoy the ability to rotate 360° and zoom in on any cell structure. Dive even deeper by learning about each cell's structure and view amazing images created using Molecular Probes' products!</p>	<p>Explore the fascinating world of cellular imaging with this new tool which enables the selection of different cellular structures and fluorophores. Create your own version of the perfectly labeled fluorescent cell!</p>
<p>Explore →</p>	<p>Explore →</p>

URL: <http://itunes.apple.com/us/app/3d-cell-simulation-stain-tool/id381129413?mt=8>

(Norman 2013)

The Elementals

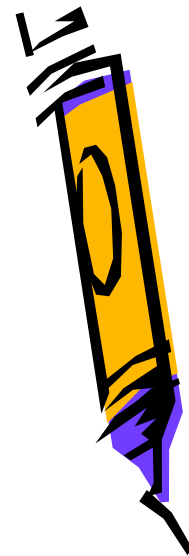
- A fun periodic table where every element has its own unique personality.
- Learn about each individual element and its properties.
- Skills: Chemistry, Elements
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 3.0 or later.
- Price: Free



URL: <http://itunes.apple.com/us/app/the-elementals/id383675775?mt=8>

(Norman 2013)

Periodic Table of the Elements



- This app contains a standard periodic table of elements. This app allows the student to select a chemical attribute and have the entire chart color coded to plainly show how the different elements vary with regard to selected traits.
- Students can select atomic number, chemical family, electronegativity, radioactivity, melting point, boiling point, and state (solid, liquid, or gas).
- Skills: Chemistry, Elements
- Requirements: Compatible with iPad. Requires iOS 3.2 or later.
- Price: Free



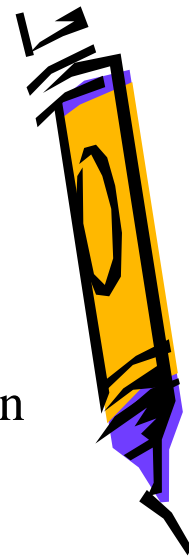
More Information about Iodine	
Element:	Iodine
Symbol:	I
Number:	53
Group:	VII A (Halogens)
Metal:	Non-Metal
Electronegativity:	2.10
Radioactive?:	No
Orbitals:	$(Kr)5s^2 4d^{10} 5p^5$
Melting Point:	114 C
Boiling Point:	115 C
Density:	4.93
% earths crust:	No measurable amount.
Ionization Energy:	10.45
Year of Discovery:	1811
Atomic Weight:	126.90
About the name:	
<small>The name iodine comes from the word <i>iosides</i> meaning violet. When heated this blue-black solid releases a violet vapor. (Iodine is one of the few substances that goes from a solid state directly to a gaseous state when heated, a process called sublimation.)</small>	
About the symbol:	
<small>The symbol for Iodine is I, the first letter of its name.</small>	
About the family:	
<small>Group VII A (Halogens) have one 'hole' in the outer shell. They desperately want to complete this shell, so they try to grab an electron and are highly reactive.</small>	

URL: <http://itunes.apple.com/us/app/periodic-table-elements/id364894399?mt=8>

(Norman 2013)

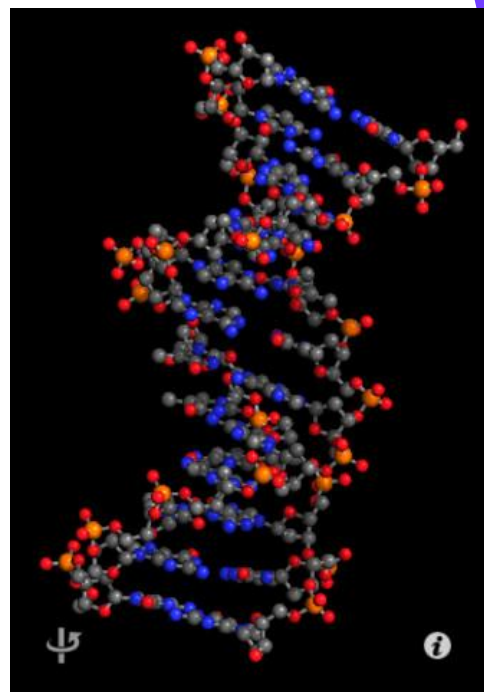
Molecules

- Molecules is an application for viewing 3D renderings of molecules and manipulating them using your fingers. You can rotate the molecules by moving your finger across the display, zoom in or out or pan the molecules.
- Students can download new molecules from the RCSB Protein Data Bank or NCBI's PubChem.
- Skills: Molecules
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 4.2 or later.
- Price: Free



URL:

<http://itunes.apple.com/us/app/molecules/id284943090?mt=8>



Constitution for iPad



- Provides the full constitution with great search options for any information contained within the document.
- Great way to learn and review individual sections of the Constitution with information about each of the signers.
- Requirements: Compatible with iPad. Requires iOS 5.1 or later.
- Price: Free

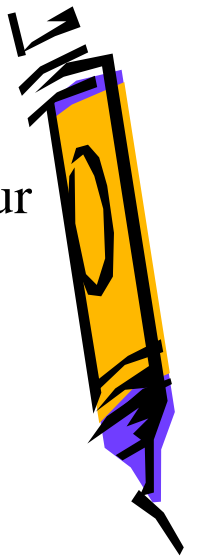


URL: <https://itunes.apple.com/us/app/constitution-for-ipad/id363287472?mt=8>

(Norman 2013)

MyCongress

- MyCongress gives detailed information about your elected U.S. Congressional officials. Track news, videos, and Twitter feeds of officials.
- Gives ways to communicate with the elected officials.
- Skills: Government
- Requirements: Compatible with iPad. Requires iOS 5.0 or later.
- Price: Free

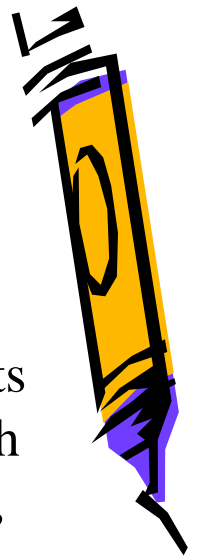


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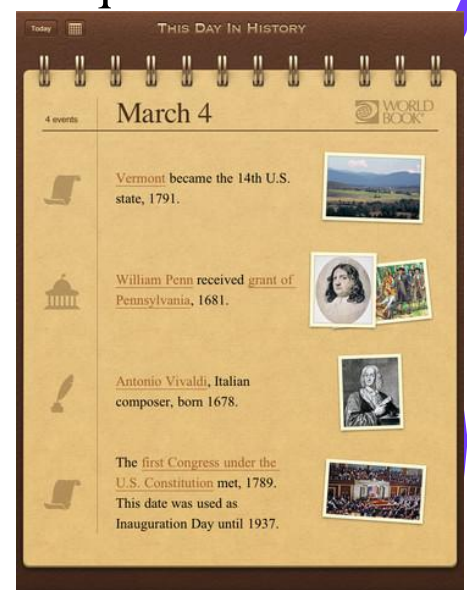
<http://itunes.apple.com/us/app/mycongress/id364897048?mt=8>

(Norman 2013)

WORLD BOOK – This Day in History for iPad



- This Day in History for iPad is an interactive multimedia calendar that displays historical events for the current day or any selected day, along with related media such as photos, illustrations, music, and speeches.
- The app allows students to hear the national anthems of countries on the day they became a nation, listen to presidents' speeches on the anniversaries of their inaugurations, and play sound clips from famous artists on their birthdays.
- Skills: History
- Requirements: Compatible with iPad. Requires iOS 3.2 or later.
- Price: Free

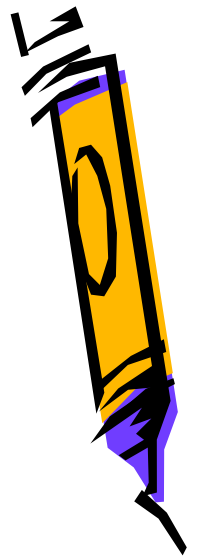


URL: <http://itunes.apple.com/us/app/world-book-this-day-in-history/id364739528?mt=8>

(Norman 2013)

2013 World Factbook

- This app is the complete CIA World Factbook at your students fingertips, including extensive information on more than 250 countries and locations throughout the world. No internet access is required.
- Skills: History, Government, Economy, Geography, Military, Communications, Transportation
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 4.3 or later.
- Price: \$0.99

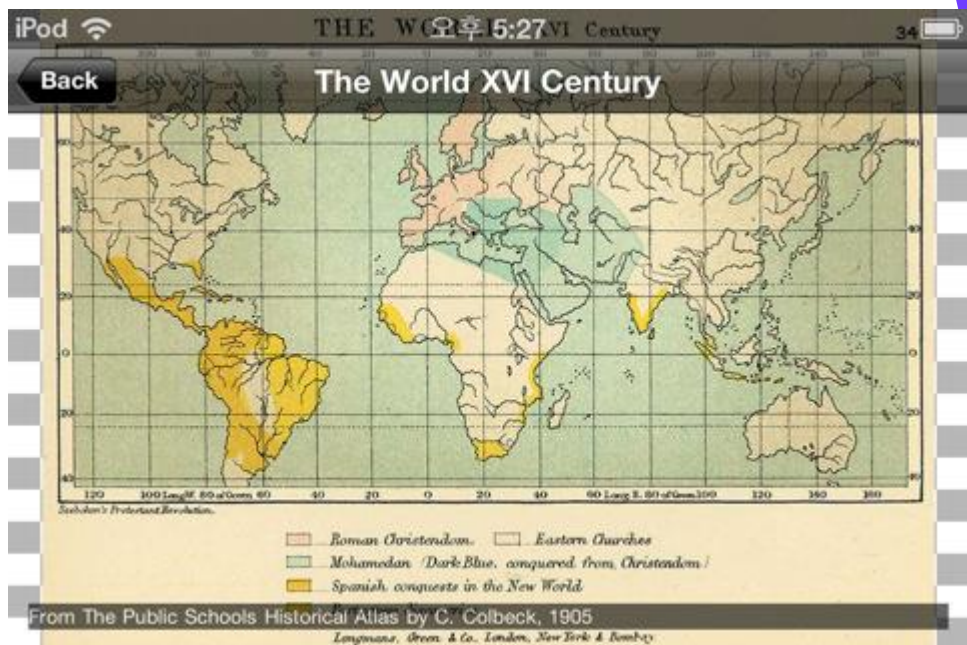
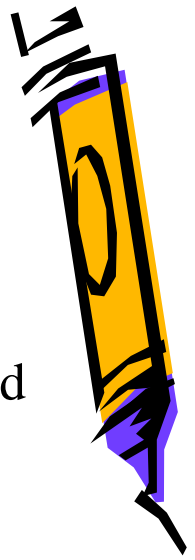


URL: <http://itunes.apple.com/us/app/2010-world-factbook/id307337503?mt=8>

(Norman 2013)

History: Maps of World

- History: Maps of World is a fun and educational collection of high-resolution historical maps.
- App offers a wide variety of historical displays, support for Category/Era view, search options, and screen rotations.
- Skills: History, Geography
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 4.0 or later.
- Price: Free



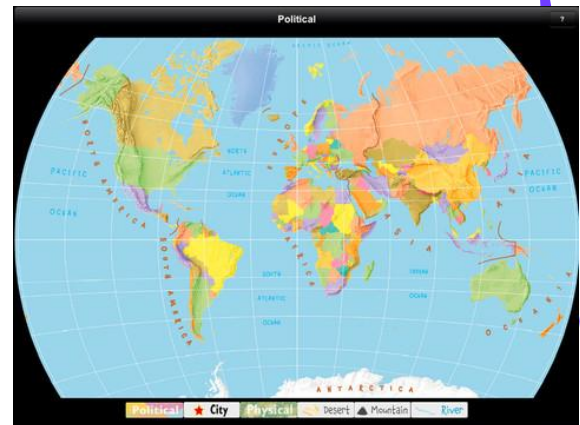
URL: <http://itunes.apple.com/us/app/history-maps-of-world/id303282377?mt=8>

(Norman 2013)

Kids World Maps



- What are the major deserts or the world, the highest mountains, or the longest rivers. The Kids World Maps app will help students answer these important geographical questions.
- The app is a great way for students to discover more about the World's geographical features. The Kids World Maps app contains 6 World Maps focusing on physical coloring, larger cities, deserts, mountains, and rivers.
- Skills: Geography
- Requirements: Compatible with iPad. Requires iOS 4.3 or later.
- Price: Free



URL: <http://itunes.apple.com/us/app/kids-world-maps/id428955952?mt=8>

(Norman 2013)

Elevated Math



- Elevated Math provides initial instruction or intervention on math topics that cover place value, estimation, large digit addition all the way through Algebra I.
- Lessons are grouped into five math standards and are designed to conform to those recommended by the Common Core State Standards.
- Skills: Numbers, Operations, Measurement, Geometry, Algebra, Data Analysis, Probability
- Requirements: Compatible with iPad. Requires iOS 4.2 or later.
- Price: Free

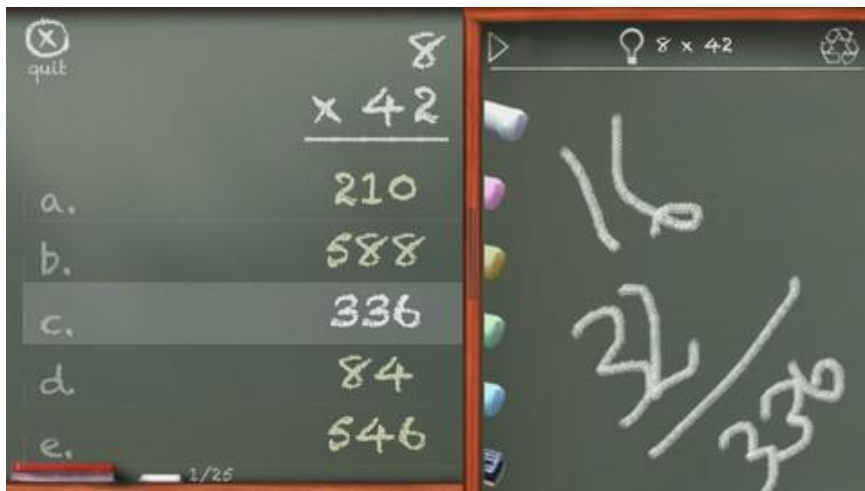
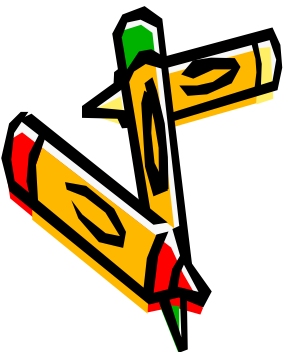
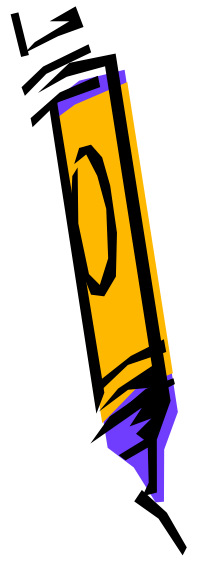


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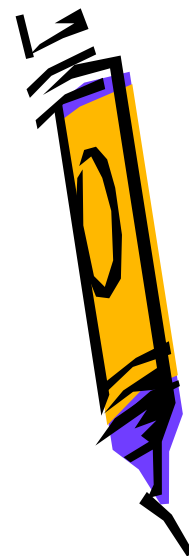
(Norman 2013)

MathBoard

- With a staggering array of settings and thorough help guides, this app represents an ambitious attempt to create the preeminent math teaching tool.
- The choices do not stop at multiplication or division, cubes or squares, easy or hard.
- MathBoard is a highly configurable math app appropriate for all school aged children. Beginning in kindergarten, with simple addition and subtraction problems, through elementary school where learning multiplication and division can be a real challenge.
- The options satisfy a wide range of students and skill levels, but they can be overwhelming for students.
- MathBoard would be best used in the classroom after a math teacher has tailored the settings to a specific purpose.



MathBoard

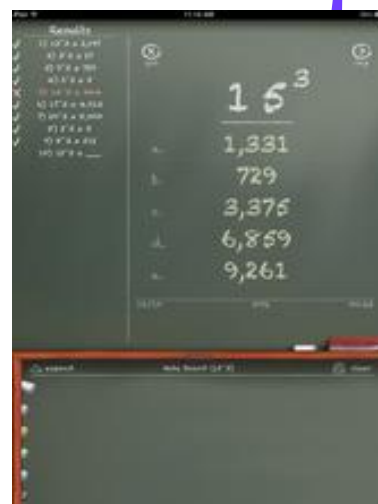


- Teacher Features:
 - Students can save results that a teacher could later check, lending a near test-like quality to this app.
- Skills: Addition, Subtraction, Algebra, Square Roots, Exponents, Division, Fractions & Decimals, Multiplication
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 5.0 or later.
- Price: \$4.99
 - To experience this app's versatility before dropping \$4.99 on it, try the free version, MathBoard Addition, which is limited to just addition problems but still boasts the same options and help guides.



URL:

<https://itunes.apple.com/us/app/mathboard/id373909837?mt=8&ign-mpt=uo%3D4>



iFormulae



- iFormulae is simple library consisting of various formulae, equations with their example. Now you do not need to flip through pages of the mathematics book for finding and learning any new formula.
- Skills: Formulas
- Requirements: Compatible with iPad. Requires iOS 3.2 or later.
- Price: Free

Main List

- Area and Perimeter
- Calculus Integrals
- Calculus Derivatives
- Equation of a Line
- Midpoint Formula
- Pythagoras Theorem**
- Quadratic Formula and Calc...
- Rationalizing Denominator
- Surface Area and Volume

Pythagoras Theorem

A baseball diamond is really a 90 foot square. Let's say the catcher is throwing the ball from home to second base.

Use Pythagorean Theorem to find out how far he throws the ball.

90feet 90 feet
90 feet 90 feet

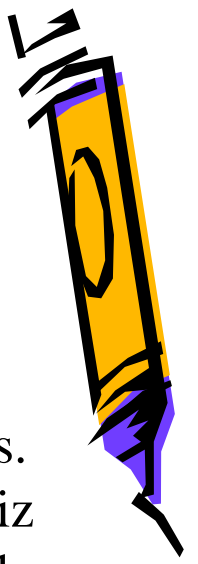
Pitcher's Mound

$$a^2 + b^2 = c^2$$
$$90^2 + 90^2 = c^2$$
$$8100 + 8100 = c^2$$
$$c = \text{SQRT}(8100 + 8100)$$
$$c = 127.292$$

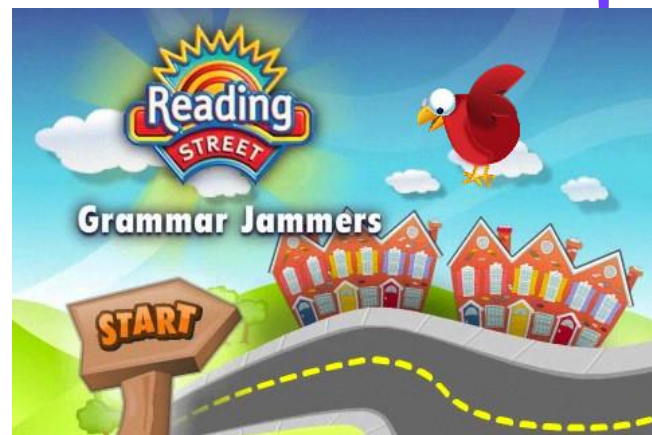

URL:

<http://itunes.apple.com/us/app/iformulae/id367586887?mt=8>

Grammar Jammers Middle Edition



- Catchy animated songs and rhymes make English language arts exciting. Grammar Jammers animations will have you tapping your toes to the beat while learning grammar usage and mechanics. Each animation unlocks a quiz. Answer all the quiz questions for all the Grammar Jammers topics and unlock an interactive reward.
- A reset feature allows for the data to be cleared and the game to be reset, ready for the next user.
- Skills: Adjectives, Adverbs, Capitalization, Conjunctions, Contractions, Nouns, Prepositions, Pronouns Punctuation, Sentences, Verbs
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 3.1.2 or later.
- Price: \$2.99

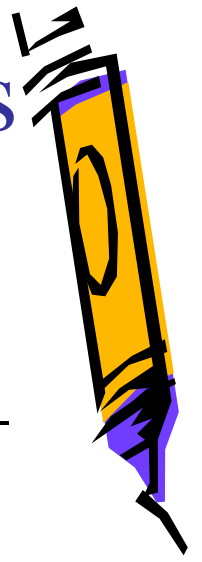


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(Norman 2013)

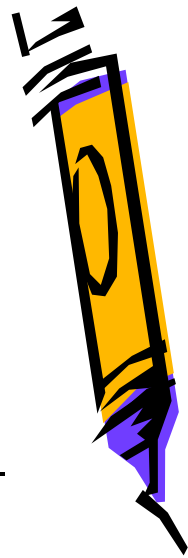
GrammarPrep: Apostrophes

- GrammarPrep is the first grammar app with multimedia tutorials, quizzes and mastery tests, answer feedback, and progress tracking, it is the only grammar app that offers proven, educational-quality content.
- With GrammarPrep you can quickly and easily improve your writing. Students learn how to recognize and correct common grammar errors through instructional videos and podcasts, assess skills and see what they know with “Practice Tests”, test their skills with “Mini Tests”, track improvement through the “High Scores” progress tracker.
- Skills: Apostrophes
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 3.0 or later.
- Price: \$3.99

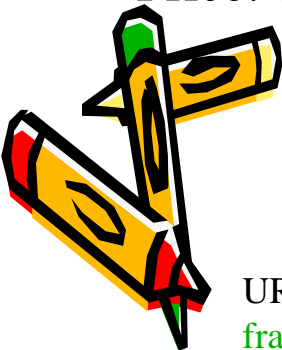


URL: <https://itunes.apple.com/us/app/grammarprep-apostrophes/id382244969?mt=8&ign-mpt=uo%3D4>

GrammarPrep: Fragments, Run-Ons, and Comma Splices



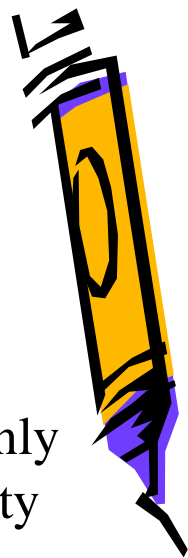
- GrammarPrep is the first grammar app with multimedia tutorials, quizzes and mastery tests, answer feedback, and progress tracking, it is the only grammar app that offers proven, educational-quality content.
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- Skills: Fragments, Run-Ons, and Comma Splices
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 3.0 or later.
- Price: \$3.99



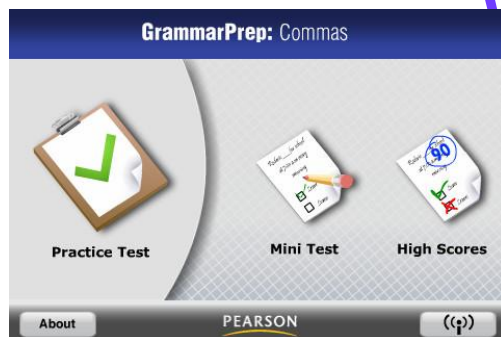
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(Norman 2013)

GrammarPrep: Using Commas

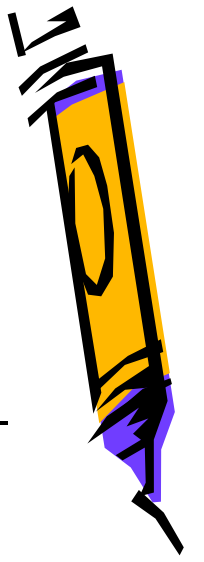


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- Skills: Commas
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 3.0 or later.
- Price: \$3.99



URL: <https://itunes.apple.com/us/app/grammarprep-using-commas/id372367489?mt=8>

GrammarPrep: Pronouns



- GrammarPrep is the first grammar app with multimedia tutorials, quizzes and mastery tests, answer feedback, and progress tracking, it is the only grammar app that offers proven, educational-quality content.
- With GrammarPrep you can quickly and easily improve your writing. Students learn how to recognize and correct common grammar errors through instructional videos and podcasts, assess skills and see what they know with “Practice Tests”, test their skills with “Mini Tests”, track improvement through the “High Scores” progress tracker.
- Skills: Pronouns
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 3.0 or later.
- Price: \$3.99



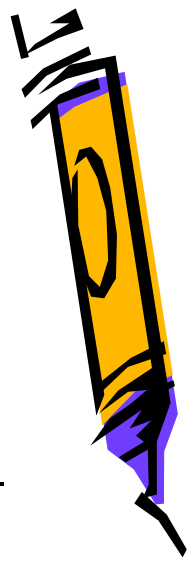
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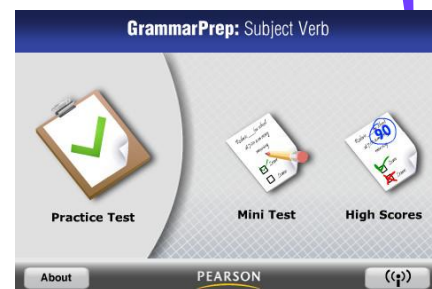
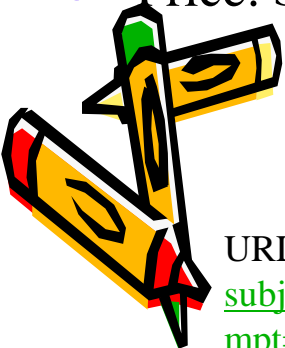


(Norman 2013)

GrammarPrep: Subject and Verbs

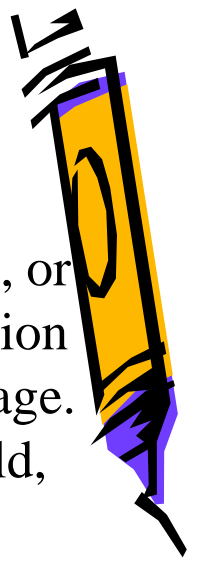


- GrammarPrep is the first grammar app with multimedia tutorials, quizzes and mastery tests, answer feedback, and progress tracking, it is the only grammar app that offers proven, educational-quality content.
- With GrammarPrep you can quickly and easily improve your writing. Students learn how to recognize and correct common grammar errors through instructional videos and podcasts, assess skills and see what they know with “Practice Tests”, test their skills with “Mini Tests”, track improvement through the “High Scores” progress tracker.
- Skills: Subjects and Verbs
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 3.0 or later.
- Price: \$3.99

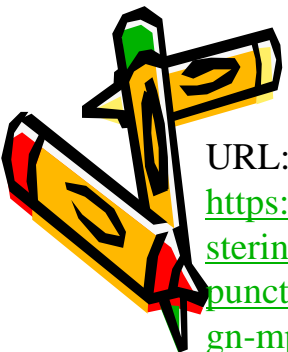


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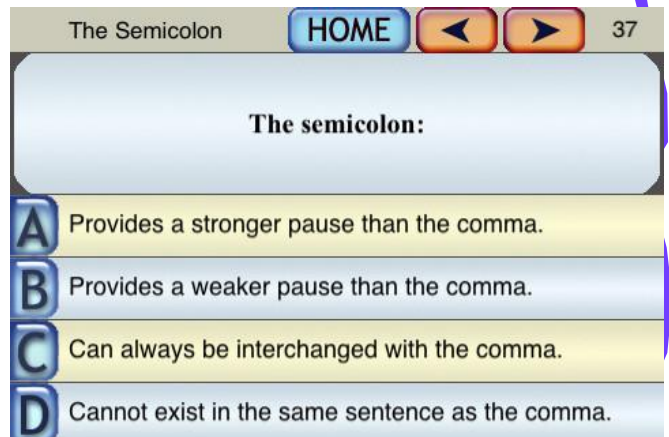
Mastering English Punctuation



- Whether your students want to master writing skills, or are learning English as a second language, punctuation is absolutely crucial in mastering the English language. Without it, sentences will never sound as they should, and your writing can even be misunderstood.
- In a series of 102 multiple choice questions, ABCs of punctuation will let the students know exactly where they stand in knowledge of punctuation, giving a rating of precise skill level. It will correct the user every step of the way, teach why answers are right or wrong, and provide the proper explanations. It will offer little known facts about punctuation, and give practical tips to make punctuation and writing stronger.
- Skills: Punctuation
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 2.0 or later.
- Price: \$3.99

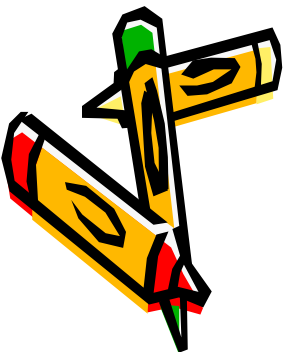


URL:
<https://itunes.apple.com/us/app/mastering-english-punctuation/id307304914?mt=8&ign-mpt=uo%3D4>



Practice English Grammar 2

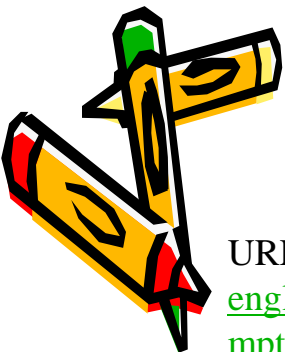
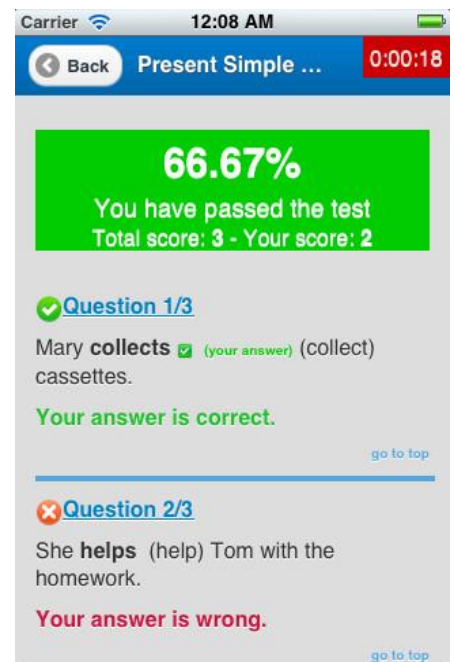
- Practice English Grammar helps students learn English grammar with the principle “Practice makes perfect”.
- Practice English Grammar contains many pages of grammar lessons explaining the grammar topics of the tests. With over 500 questions in 16 topics, this app helps students practicing the basic usage of English grammar.
- Tests in “Practice English Grammar” have not only multiple choice questions but also other interactive question types such as multiple response, matching, fill in the blank, text response numeric response, and some questions contain media content.



Practice English Grammar 2

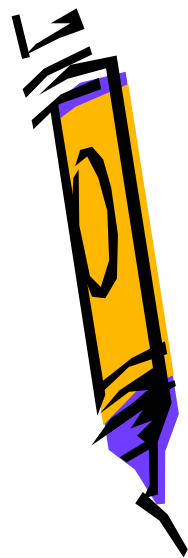


- Teacher Features:
 - Comprehensive statistics help teachers monitor the students progress.
- Skills: Adjectives, Adverbs, Comparatives, Superlatives, Gerund, Infinitive, Modal Verbs, Noun, Past Simple, Past Continuous, Present Continuous, Present Simple, Pronoun, Reported Speech, Some & Any, Article, Conjunctions
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 4.3 or later.
- Price: Free



URL: <https://itunes.apple.com/us/app/practice-english-grammar-2/id490759167?mt=8&ign-mpt=uo%3D4>

Middle School Writing- Expressing Basic Ideas

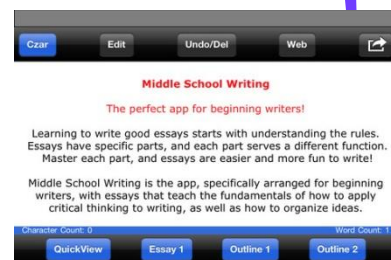


- Middle School Writing uses a scaffolding, query based process to teach students how to think reflexively; how to develop strong, purposeful arguments, and how to structure essays.
- The app is about learning critical thinking and writing; it is not solely about outlining essays. The critical thinking behind outlines is what matters, and it is this thinking process that the content teaches.
- The app explains the fundamental critical thinking aspects of outlining and succinctly presents examples of several different outline formats.
- Skills: Outlining, Critical Thinking, Web Research Skills, Safe Internet Use Habits, Email Etiquette, Essay Structure, Types of Essays
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 3.0 or later.

Price: \$18.99

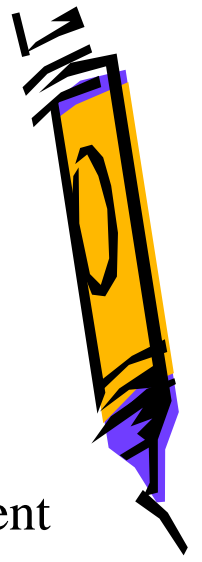


URL: <https://itunes.apple.com/us/app/middle-school-writing-expressing/id445795776?mt=8>



(Norman 2013)

Explain Everything



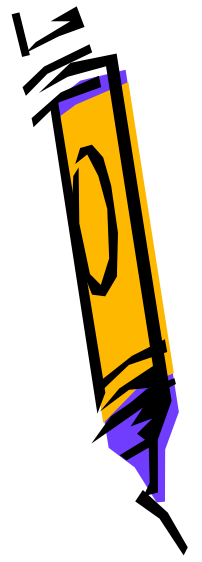
- Forget PowerPoint; in today's wired world, students can create multimedia presentations by tapping, dragging and swiping anything from images and text to annotation and object movement. Explain Everything is a modern app that helps whiz kids pull together a host of different content and ideas to create a presentation.
- Record audio, add music, insert pictures, insert video, and then use a virtual laser pointer to direct your viewers through hi-tech charts, graphs, images and other data
- Creative students will love flexing their imaginations to come up with cool ways to wow others with their organized ideas.
- Skills: Storytelling, Collaboration, Oral Presentations
- Requirements: Compatible with iPad. Requires iOS 5.1 or later.
- Price: \$2.99



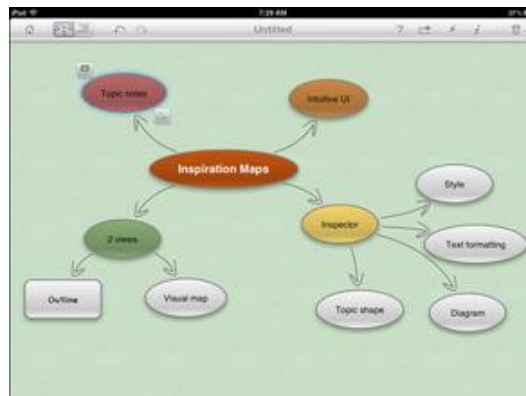
URL: <https://itunes.apple.com/us/app/explain-everything/id431493086?mt=8&ign-mpt=uo%3D4>

(Norman 2013)

Inspiration Maps



- Students often have trouble organizing their thoughts in order to structure writing and understand what they're reading; establish organizational skills early with this intuitive, visually appealing app.
- Inspiration Maps offers students the canvas and tools with which to organize everything from class notes and study materials to essay outlines and Venn diagrams.
- This app comes equipped with charts, diagrams and organizers of all kinds, and allows the option to create a customized organizer to fit a child's specific needs.
- Skills: Organization, Brainstorming
- Requirements: Compatible with iPad. Requires iOS 4.0 or later.
- Price: \$9.99

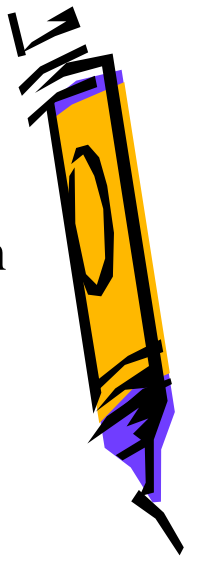


URL: <https://itunes.apple.com/us/app/inspiration-maps/id510173686?mt=8&ign-mpt=uo%3D4>

(Norman 2013)

STUDYBLUE Flashcards

- Serious studiers will appreciate this virtual flashcard stack, just waiting to be customized with text, pictures and audio to study anything from state capitals to math equations.
- Features allow students to focus on problem areas and see their progress charts and graph that map their progress visually, as well as a summary of each study session and the option to tackle cards they've missed.
- Students can study independently or pair up with classmates; friends can even share their flashcards with peers for a collaborative study environment.
- Teacher Features:
 - Features allow for classmates to share study materials, quiz each other and collaborate online.
- Skills: Vocabulary, Rote Memorization
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 4.3 or later.
- Price: Free



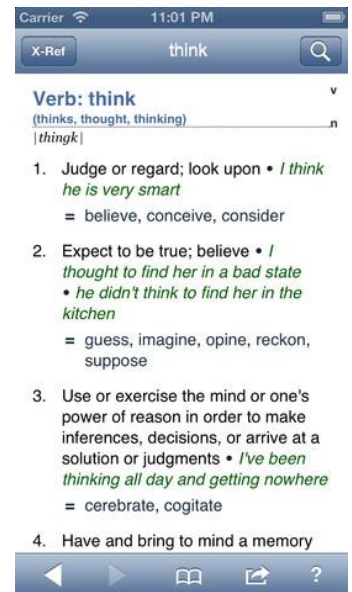
URL: <https://itunes.apple.com/us/app/studyblue-flashcards/id323887414?mt=8&ign-mpt=uo%3D4>

(Norman 2013)

WordWeb Dictionary



- It's hard to knock a free app that allows for on-the-go word lookup. This one gives students the ability to enter vocabulary words, and assuming they have WiFi access, it connects them to Wikipedia, Wiktionary, Answers.com, or Google.
- The app provides pronunciation help, simple definitions, synonyms (linked to definitions), usage examples (in the form of sentence fragments or phrases), and information on the word's origins if available.
- Skills: Vocabulary, Parts of Speech, Spelling
- Requirements: Requires WiFi access to use. Compatible with iPhone, iPod touch, and iPad. Requires iOS 4.3 or later.
- Price: Free



URL:

<https://itunes.apple.com/us/app/wordweb-dictionary/id309627313?mt=8&ign-mpt=uo%3D4>

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