

iEducate: Math & Science

Please Note: This is not an exhaustive list nor does it claim to represent the best apps in each category. It is our intention that this list would help you see the different types of apps that are available and provide a starting point for you in your search for the best app to suit your needs.

Math Related Apps

NUMBER RECOGNITION

App	Description	Price
 DotToDot Numbers & Letters **	DotToDot takes this to the next level with fun pictures, filled in on completion, timed modes where kids have to finish in a certain time to open the next level and number sequences based on times tables so that older kids can still use the app to practice their arithmetic.	\$1.99
 DTT Numbers *	Dr. Gary Brown's Autism/DTT Numbers app uses Discrete Trial Training (DTT) to help your child learn the numbers (0-99) and to learn to count (0-9).	\$5.99
 KidCalc 7-in-1 Math Fun *	KidCalc teaches number recognition, counting and math to pre-schoolers, kindergarteners and elementary school aged children using flash cards and puzzle games, with engaging artwork, animation and voice-overs. <i>Not Universal.</i>	\$1.99
 Toddler Counting **	Select from 3 adventures – Jungle, Ocean or Space. Select a character representing a number from 1-10. Then your child counts to that number. <i>Not Universal.</i>	\$3.99

* App is on the MITS iPad - ** Lite Version of the App is on the MITS iPad

CALCULATORS / GRAPHING

App	Description	Price
 Apollonius	Apollonius is the first (and so far the only) Interactive Geometry Software (IGS) for the iPhone and iPod Touch. It allows you to make geometric constructions (such as those made using a compass and straightedge/ruler) and move their parts smoothly using the device's touchscreen. <i>Not Universal.</i>	\$3.99
 Calcbot	Never lose your place in a calculation again with the live as-you-type expression view. Simply swipe the keypad to the left to reveal advanced functions. See your past calculations in the history tape. You can even send old values and expressions back to your calculator or to a friend via email.	\$1.99
 Calculator 3D *	It is the scientific graphing calculator which can plot 2D and 3D graph. It is similar to Texas Instruments TI-83, TI-84. It has more features such as plotting 3D graph for mathematics functions.	\$0.99



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CALCULATORS / GRAPHING

App	Description	Price
 Equation Genius*	Equation Genius will help you do you math in seconds. It supports 1st degree, quadratic, and cubic equations, as well as systems of two and three unknowns.	\$2.99
 PI83 *	The PI83 Graphing Calculator is an iPhone app designed to replace the Texas Instruments TI83 graphing calculator. With over 100 math functions, it makes expensive and bulky graphing calculators a thing of the past. <i>Not Universal.</i>	\$0.99
 Quick Graph *	Quick Graph is a powerful, high quality, graphic calculator that takes full advantage of the multitouch display and the powerful graphic capabilities of the iPad and iPhone, both in 2D and 3D. A simple, yet intuitive interface that makes it easy to enter and/or edit equations and visualize them in mathematical notation.	FREE
 Space Time for iPad	Graph 2D function, parametric, polar, vector field, implicit and contour plots with our powerful 2D graphing calculator. Move, pinch and trace 2D graphs in real-time! Graph 3D function, parametric, spherical, and cylindrical plots with our powerful 3D graphing calculator. Rotate, pinch and move 3D graphs in real-time!	\$19.99
 Talking Calculator *	This calculator speaks answers and button names aloud with its built in voice, or with a custom voice recorded directly into the iPad, iPhone or iPod Touch!	\$0.99
 Wolfram Alpha *	Wolfram Alpha--Get answers. Access expert knowledge. Wherever you are. Whenever you need it. Solves math equations with the option to show steps.	\$1.99

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TIME / MONEY

App	Description	Price
 Basic Time *	A Basic time App teaches time concepts in a very simple way. The app shows analog clock and gives narration to explain hours, 30 minutes, 15 minutes etc. The app contains various (180+) practice questions.	FREE
 Coin Math *	Learn how to recognize, count, add and make change with U.S. coins.	\$1.99
 Count Money - Coin Matching Game for Kids *	Learn to count and match coins by sight, sound, and touch. You can adjust the difficulty and customize the app to meet your child's needs.	FREE



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TIME / MONEY

App	Description	Price
 Mint US *	A coin calculator. Mint US supports common United States coins and Bank Notes. Tap the coin or bank note to add its value to the total value.	FREE
 My Money Counter *	My Money Counter is a simple application that counts the user's money. To use My Money Counter, the user simply enters the amount of coins and dollars they have. My Money Counter will then provide a total of all coins and dollars combined.	FREE
 Tell Time - Little Matchups *	Little Matchups is an exciting interactive matching game that helps your child rapidly learn how to tell time by matching analog and digital clocks.	FREE
 Telling Time - PhotoTouch *	Photo Touch is an exciting educational gaming platform that helps your child rapidly learn how to tell time by sight, sound, and touch. While "telling time" is traditionally not taught until the first or second grade, any child that already understands the concept of time and knows how to count to 12 will delight in using this app.	\$0.99

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CURRICULUM / PUBLISHERS

App	Description	Price
 McGraw Hill Math Apps *	Various math related apps covering different skill levels and functions.	\$1.99
 School Zone		FREE - \$9.99

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MISCELLANEOUS

App	Description	Price
 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 (two years of math instruction!). The app comes with two complimentary lessons and one complimentary career video and allows the user to purchase additional lessons individually or in bundles.	FREE
 iFormulas *	iFormulas is a clean, simple, easy to use mathematical formula reference guide. <i>Not Universal.</i>	FREE



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MISCELLANEOUS

App	Description	Price
 Kidimedia **	Kidimedia is a safe digital playground for 3-7 year olds. A variety of educational games like jigsaw puzzles, counting and reading games, logical brainteasers and more will entertain, stimulate and challenge your child.	\$1.99
 Math Chomp	The app is suitable for all ages from Kids to Adults, and will help you learn your addition, subtraction, multiplication and division. Playing the game is simple. You will be given a starting number, and a desired number. You will make the desired number using mathematics! <i>Not Universal.</i>	\$0.99
 Math Formulas - Reference Guide	Over 100 math formulas at high school level. The covered areas include algebra, geometry, calculus, trigonometry, probability and statistics. Most of the formulas come with examples for better understanding.	\$0.99
 Maths Plus *	Maths Plus, by presenting you with randomly selected simple maths problems that require combining basic arithmetic knowledge, helps you to develop your problem solving skills, and by allowing you to play with others, it adds a level of fun and challenge to this process. <i>Not Universal.</i>	FREE
 Red Dragonfly Mathematics Challenge *	The Red dragonfly mathematics challenge is an English adaptation of a classic Japanese mathematics problem-solving book, known as the Math Brain Quiz (Red) or more commonly as the Red book, by Mr Yasuhiro Hosomizu. The Red dragonfly mathematics challenge offers many open-ended problems that can be challenging to students and teachers alike.	FREE
 Sky Numbers HD *	Sky Numbers HD is a fun & addictive but also educational math game, aimed at testing and improving one's basic math skills. Random numbers will fall from the sky, with 4 sets of clouds holding them for a little while. Use the basic math calculations to create the equation and reach the specified result.	\$2.99

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Science Related Apps

CHEMISTRY

App	Description	Price
 ChemApp	ChemApp is designed with the student in mind. It is a suitable learning application for students at the secondary level or from grade 7 - 10 levels. By practicing with this app, students will have a stronger foundation in basic chemistry and will be more confident in writing chemical equations. <i>Not Universal.</i>	\$1.99
 Chemistry Flashcard(s)	Over 300 general chemistry flashcards for college chemistry, high school chemistry, MCAT preparation or AP exams. Split into 18 different categories, problems range from easy to difficult and have all work and equations shown.	\$1.99
 The Elements *	If you think you've seen the periodic table, think again. The Elements: A Visual Exploration lets you experience the beauty and fascination of the building blocks of our universe in a way you've never seen before.	\$13.99
 Molecules *	Molecules is an application for viewing three-dimensional renderings of molecules and manipulating them using your fingers.	FREE

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ASTRONOMY

App	Description	Price
 iLearn Solar System HD	iLearn SolarSystem teaches the Solar System. Stunning animations of the Solar System and the planets will capture your attention while Astronaut Ashley talks about each of them.	\$1.99
 NASA App HD *	Come explore with NASA. Now on your iPad.	FREE
 NASA Television *	The NASA Television App brings live and on-demand TV programming to your iPhone or iPod Touch. Watch the latest NASA events unfold in real-time or select from a list of recently uploaded videos. Plan your viewing up to a week in advance with the NASA TV schedule, and check out a list of NASA-related programming on other networks.	FREE
 Planets *	3D guide to the solar system for aspiring astronomers.	FREE

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ASTRONOMY

App	Description	Price
 Solar Walk	This 3D Solar System model enables you to navigate through space and time, observe all the planets in close-up, learn their trajectories, inner structure, history of their exploration, points of interest and more. Use 3D mode to get a more realistic experience and zoom out to view and spin the entire Galaxy!	\$2.99
 Star Walk for iPad	Star Walk enables you to point your iPad at the sky and see what stars, constellations, and satellites you are looking at in real-time.	\$4.99

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BIOLOGY

App	Description	Price
 3D Brain *	Use your touch screen to rotate and zoom around 29 interactive structures. Discover how each brain region functions, what happens when it is injured, and how it is involved in mental illness. Each detailed structure comes with information on functions, disorders, brain damage, case studies, and links to modern research.	FREE
 Biology	A basic overview of Biology concepts. Useful for 101 only. Not suitable for advanced studies.	\$1.99
 Frog Dissection *	This iPad app is suitable for middle-school students who are learning about organs and organ systems as part of their life science curriculum. Students can try dissecting a virtual specimen with all the trappings that come with the real procedure-minus the mess of course! Besides a virtual chloroformed specimen, the app comes with all the dissection tools and detailed instructions to complete the procedure. Once dissection is complete, the frog's organs are exposed for further study.	\$3.99
 Mitosis *	Mitosis walks you through the process of cell division, and explains everything that happens along the way. You'll usher cells through mitosis with your fingers, learning about what happens in each phase of the process. You can also look at images of actual cells dividing under a microscope and see the actual structures you've studied. <i>Not Universal.</i>	FREE



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BIOLOGY

App	Description	Price
 Skeletal System Pro II *	<p>This app's primary use is as a learning tool but can also be used as a fast and innovative reference tool by utilizing the index function which allows the user to select an item and the app will automatically zoom in and identify it.</p> <p>Additionally, this app is ideal for physicians, educators or professionals, allowing them to visually show detailed areas of the bone system to their patients or students - helping to educate or explain conditions, ailments and injuries.</p>	\$39.99

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PHYSICS

App	Description	Price
 Angry Birds HD **	<p>The survival of the Angry Birds is at stake. Dish out revenge on the green pigs who stole the Birds' eggs. Use the unique destructive powers of the Angry Birds to lay waste to the pigs' fortified castles. Angry Birds features hours of gameplay, challenging physics-based castle demolition, and lots of replay value.</p>	\$1.99
 Physics 2 HD *	<p>Now you can study for all your High School exams on the iPad! Physics 2 HD is designed specifically for the iPad with a faster and easier to use interface. Physics includes all the reference tables and the 10 units covered in High School. Each of the 10 units includes common formulas, a brief description of each formula, and examples all in one view.</p>	FREE
 Tumble Blocks	<p>Tumble Blocks HD for the iPad is a Classic explod'em up physics game! Much like Totem destroyer and Tiki Towers.</p>	\$1.99
 Vernier Video Physics	<p>Take a video of an object in motion, mark its position frame by frame, and set up the scale using a known distance. Video Physics then draws trajectory, position, and velocity graphs for the object.</p>	\$2.99
 Wind Tunnel **	<p>Draw obstacles and watch the fluid flow around. Experiment with different sizes, shapes, aerodynamic profiles and see what happens!</p>	\$1.99

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MISCELLANEOUS

App	Description	Price
 Google Earth *	Hold the world in the palm of your hand. With Google Earth for iPhone, iPad, and iPod touch, you can fly to far corners of the planet with just the swipe of a finger.	FREE
 iLab Timer HD	Harnessing the simplicity found in physical laboratory timers, iLab: Timer HD brings accurate, simple, and easy timing to the iPad. Up to 10 independent timers can be set, timing simultaneously, and customizable depending upon your timing needs.	\$0.99
 Particle Zoo *	Would you like to get to know the particles that make up our universe a little better? Then carry this convenient list of subatomic particles in your pocket! Based on The Particle Zoo plushies.	FREE
 PLoS Reader for iPad *	Read the most recent articles from the seven journals published by the Public Library of Science. PLoS Reader is designed just for the iPad and features a full-screen, page-turning interface.	FREE
 Science Glossary *	A glossary of scientific terms and short biographies that support our science education website, http://www.visionlearning.com . All definitions link to related terms and to free, detailed science learning modules.	FREE
 SPARKvue	SPARKvue brings real-time measurement, data visualization, and analysis to science education everywhere. Students can use the new PASPORT AirLink 2 Bluetooth interface to connect to over 70 PASCO sensors, measuring a wide range of phenomena, including pH, temperature, force, carbon dioxide level, and many more. SPARKvue is designed for scientific inquiry in biology, chemistry, earth science, environmental science, physics, and physical science. SPARKvue can also record data from the iPhone or iPod Touch's internal accelerometer, with no additional hardware needed.	FREE

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