

FSU-Teach iPad Applications

App	Description	Math	Biology	Chemistry	Earth/Space	Physics	Uses
3D Brain	29 interactive structures of the brain		X				Perhaps useful for Anat. & Physiology, or AP Bio., but not interactive, just reference.
3D Cell	Like 3D Brain but graphics are not as good. Also has cell staining app.		X				Reference only. Stain app too advance for most HS courses.
Anatomy ACU	Flash cards, uses realy x-rays or photos		X				A&P, but limited selection.
Atoms	Build atoms by adding electrons, protons, and neutrons. Also includes powerpoint of history of atomic theory.			X			Once you've done one or two it become redundant. Big drawback is it doesn't explain what atomic number and mass number are.
Body	Just a place to buy and store eBooks on anatomy		X				Not very useful.
Body... Books	For buying ebooks on Anatomy and Physiology		X				Like Body
Chemical	Balancing equations at a very elementary level.			X			Probably too low a level for HS, but it might be good for remediation or extra practice for students having trouble.

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Dragon Dictation	For interviews, can speak into iPad, and iPad will transcribe. Not 100% accurate so proofreading will be required. Transcription can be emailed, once email account is set up.	X	X	X	X	X	For K&L clinical interviews, for CI student interviews on observations 2 and 3. Email will have to be fsuteach@fsu.edu; transcript can be forwarded to student.
eClicker, eClicker Host	Clicker App for quizzes	X	X	X	X	X	Must use Host to set up questions and answers, must link clients (students' iPads) to host (teacher iPad) using host's URL. Requires a lot of advanced time to type in questions and answers. Logan has the most experience.
Fractile+	Can zoom in and pan Mandelbrot and Julia fractals. Just pretty.	X					Can think of any. Art maybe?
Gene Screen	Not much more than a powerpoint on genetics topics and simple genetics problems		X				Use mainly for reference or to check work.
Geo:Volume Lite	how to find volumes of solids	X					Not much more than powerpoints of equations for volume
GeoBoard Lite	For drawing points, line segments, and circles. Will give coordinates and equation	X					Other than the circle feature, it's not as good as Math Graph or Quick Graph
Hanoi's Tower	Math puzzle involving exponential growth	X					Demonstrates the exponential equation $y=2^x - 1$ in a game format. You have to progress through the game sequentially (x=3, then x=4, etc.)

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iCell	Animal, Plant, and bacterial cells. Zooms, rotates, and has text at 3 levels of detail.		X				For basic exploration of cellular components. Not interactive other than rotating and zooming.
Lab Assistant	Cross listing of how chemicals will react with each other. Select a chemical and either no rxn, slight rxn, or not recommended to try rxn is listed.			X			Might be good for reference or to have students select and explore the reactivity and why the two chemicals are reactive or not. Probably a little to advanced for HS.
Maps	Can use like Google maps to find locations and directions between locations	X			X		Finding shortest or fastest routes between two locations
Math Genius, Magic In Math, Magic of Math	Math puzzles & tricks	X					Doesn't explain why the tricks work, so that would be up to the teacher.
Math Graph	Shows graphs of lines, circles, ellipses, etc.	X				X	Students can change the different terms in an equation (for a line, for example) and see how it affects the graph. A good exploratation for understanding what the effect of a smaller slope or a larger radius.
Math Pentagon	Needs subscription, very worksheet oriented	X					Not very useful.
Math Ref Free	Samples of over 1400 equations	X				X	Reference mostly for you, I wouldn't show this to students.

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Math! Lite	Glorified worksheets such as flash cards and fill-in-the-blank to create formulas. Too easy	X					Not very useful.
MedLab Tutoe	Med school app						Too advanced
Minds of Math	A historical timeline of the personalities behind mathematics. Tap on timeline and find the names of mathematicians and their history pops up.	X				X	Good to add that historical "perspective" to your lessons.
Molecules	3D representations of molecules. Can search and download more. Eh.		X	X			Could replace molecular model kits, though not a very good experience of putting the atoms and bonds together.
My Math App	Flash cards	X					too elementary
NASA	NASA website. Up to date, videos, images, news.				X	X	Reference or research
Numbers	Use like Excel, except this has templates set up that might be useful	X	X	X	x	x	Use with other apps to collect and analyze data. For example, use travel planner with maps to find shortest route through a series of locations, or stats lab to collect data and run descriptive statistics.
Periodic Table	A good reference for chemistry, has electons in shells.			X			Not interactive, just reference
Physics World	Needs subscription to the Institute of Physics so I couldn't even enter					X	Not very useful.

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Pocket CAS	Not sure what it does because it's not very intuitive or user friendly	X					Not very useful.
Quakes	Real time earthquakes around the globe	X			X		Collect data for statistic or graphing; examine data for trends in magnitude, frequency, etc.
Quick Graph	Plots 2D and 3D math expressions. Graphs can be rotated.	X					Students plot their own expressions. Could be used after exploration with Math Graph App.
Rocket	Launch a cartoon rocket and try to catch bubbles or something	X					Way too elementary!
Science 360	Overwhelming collection of videos. No directory and home page is just a mosaic of thumbnails with no titles. It is project of National Science Foundation so it must be accurate content.		X	X	X	X	Takes a lot of bandwidth and it's not searchable. Once you do open a video, you can click for a list of related videos, which do have titles.
Science Lab	couldn't figure it out						Not very useful.
Simulator	Orbit a planet and try to stay in orbit using planet mass and proximity				X	X	I crashed or sailed off into space every time.
Spark Vue	A motion detector for acceleration	X				X	A bit awkward to use because it senses the motion of the iPad so any stray movement is recorded. Otherwise, a pretty nifty app for running and comparing acceleration experiments.
Tangrams	25+ tangram patterns to recreate in easy, medium and hard levels	X					Group problem solving activities

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The Rock Cycle	Interactive app that shows what types of rocks form under different conditions. You can change pressure, temperature, grain size, silica content, etc. to see the resulting rock.				X		Students can be given parameters and told to create rock, or vice versa. A bit awkward to use because it requires shaking the iPad to get the different rocks to show up. Also there's a long poem at the beginning that you have to tab forward.
Timer	Just what it says.	X	X	X	X	X	If you don't have a stopwatch students can use this app to time experiments.
Video Science	Long list of video clips about science. Not in any order. Same guy does all of them. Searchable, but you have to have the right term.		X	X	X	X	If Teacher Tube doesn't have what you want, maybe you'll find it here.
Weather	this just crashed every time I tried to use it				X		
WebMD	Same as the web site, but you indicate symptoms on a body (after creating a profile) and it will give you possible conditions.		X				Maybe explorations for Anatomy and Physiology to demonstrate the functions (or lack of function) or organs and systems.
WTunnel Lite	Cool wind tunnel app. Can see either smoke or dots moving over a car, airfoil, or rocks.					X	Spacing of dots shows speed of wind. Mostly for demonstration of Bernouli effect.