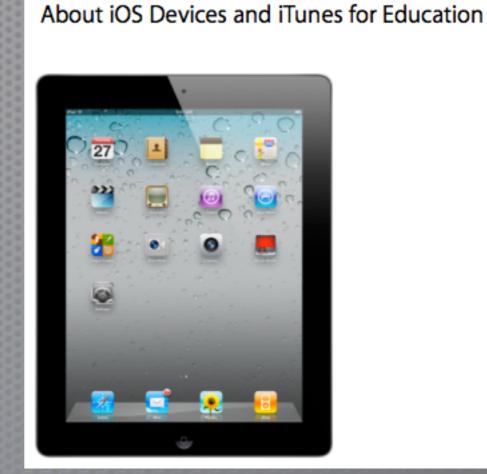


iPads in the Math Classroom

April Welch
Illinois Institute of Technology
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Apple iOS Devices and iTunes for Education

http://www.apple.com/
education/docs/
Getting Started with Apple iO
S Devices 20110912.pdf



Supporting Technology

- Wireless Infrastructure (LAN vs. WAN)
- Apple TV, AirPlay, AirPort
- Dongles, iPevo, Stylus



Tutorial on the advantages of Apple TV: http://elevatedmath.com/blog/2011/11/30/apple-tvs-educational-advantages-in-the-classroom-and-at-home/

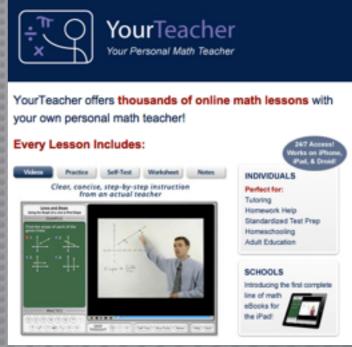
Resources for teaching and learning

Yourteacher.com

Teachwithyouripad

http://teachwithyouripad.wikispaces.com/ Math+Apps

Math apps for all age groups. Has calculators, flash card programs, geometry and algebra. Wolfram Alpha best for calculus and beyond courses.





Math Apps



Wolfram Alpha support materials

http://www.wolfram.com/mathematica/ features/productivity-and-usability.html description of the various features of the program

http://www.youtube.com/watch?
v=LWaJIuCCw4c
Independent App review

http://products.wolframalpha.com/ courseassistants/

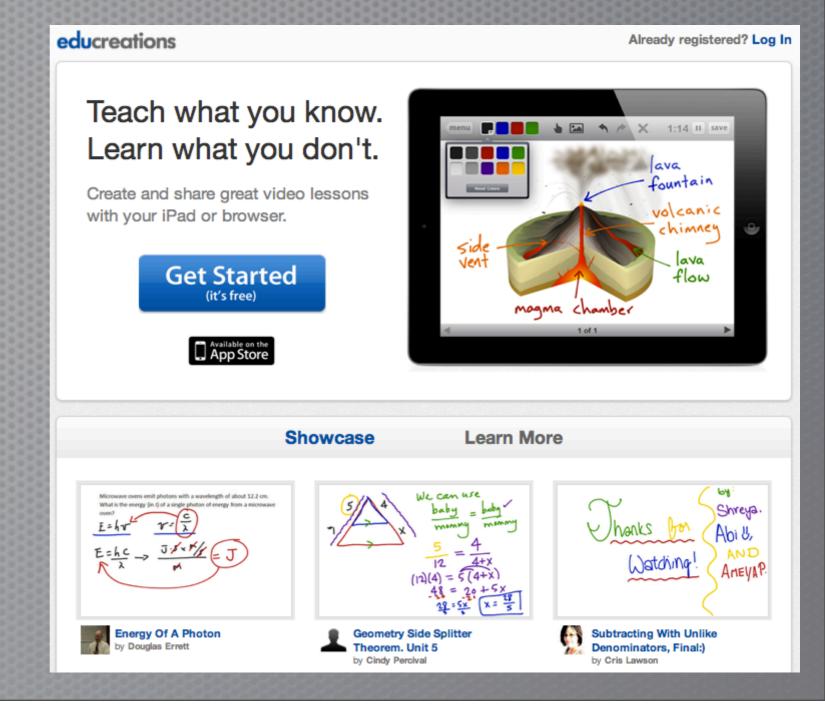
Other Wolfram courses with helpful materials. "Course Assistant Apps"



Resources for teaching and learning

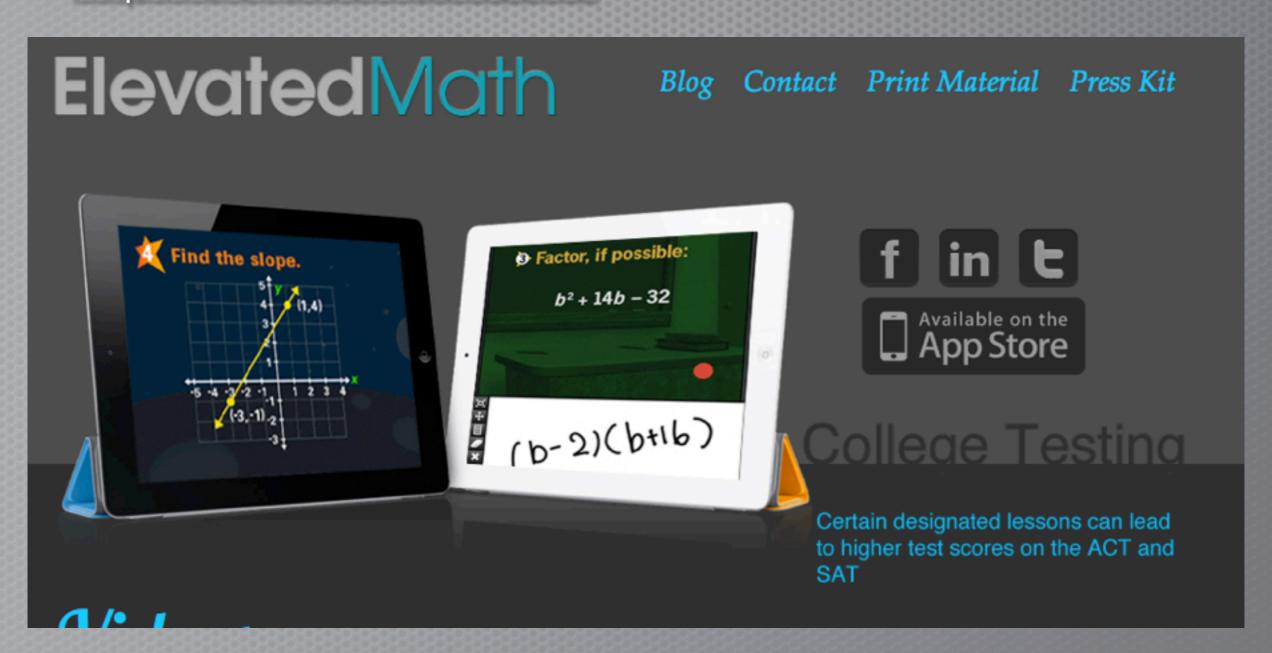
educreations.com

"Educreations turns your iPad into a recordable whiteboard. Creating a great video tutorial is as simple as touching, tapping and talking. Explain a math formula...Create an animated lesson...add commentary to your photos..."



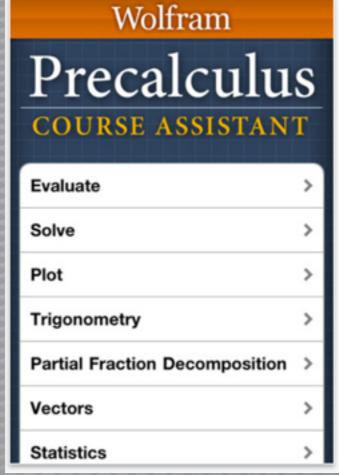
Resources for teaching and learning

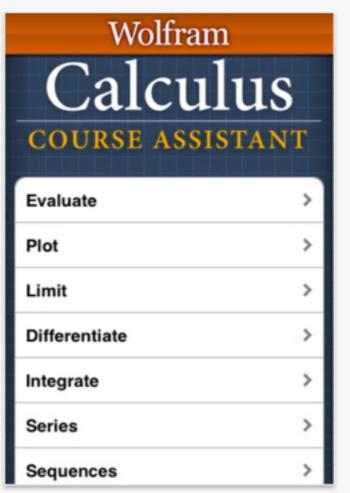
http://elevatedmath.com/



WolframAlpha course assistants

http://itunes.apple.com/us/ app/wolfram-calculus-courseassistant/id410594105?mt=8





Screenshots

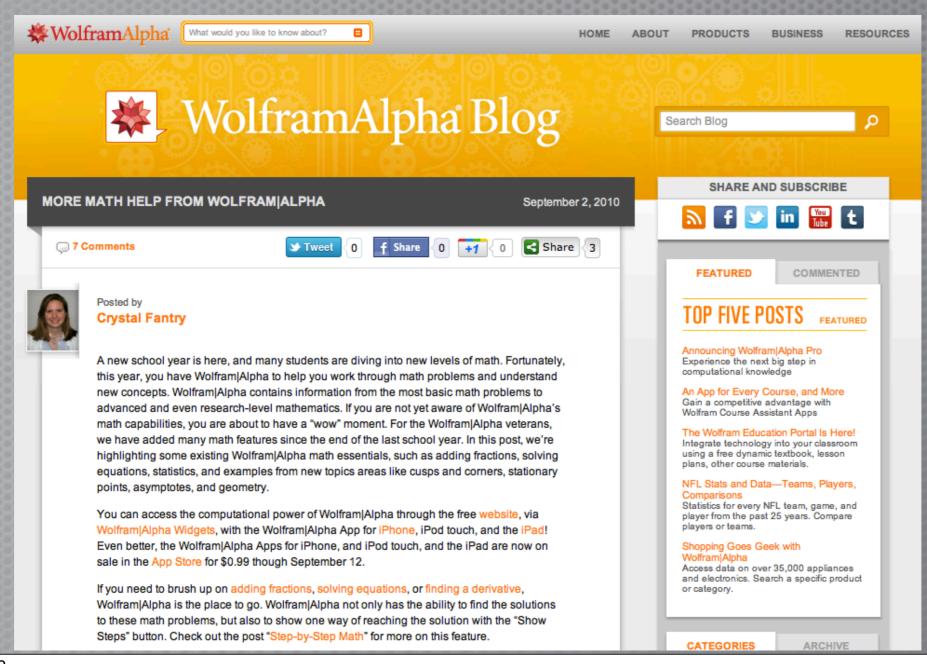


iPhone | iPad



WolframAlpha blog review and hands-on exercise

http://blog.wolframalpha.com/2010/09/02/more-math-help-from-wolframalpha/



Wolfram Alpha support materials

http://itunes.apple.com/us/app/wolfram-calculus-course-assistant/id410594105?mt=8

Taking calculus? Then you need the Wolfram Calculus Course Assistant. This definitive app for calculus—from the world leader in math software—will help you work through your homework problems, ace your tests, and learn calculus concepts. Forget canned examples! The Wolfram Calculus Course Assistant solves your specific Calculus problems on the fly including step-by-step guidance for derivatives, integrals, and much more.

This app covers the following topics applicable to Calculus, AP Calculus AB, AP Calculus BC, Calculus I, and Calculus II:

- Evaluate any numeric expression or substitute a value for a variable.
- Plot basic, parametric, or polar plots of the function(s) of your choice.
- Determine the limit of a function as it approaches a specific value.
- Differentiate any function or implicit function.
- Find the critical points and inflection points of a function.
- Identify the local and absolute extrema of a function.
- Integrate a function, with or without limits.
- Sum a function given a lower and upper bound.
- Find the closed form of a sequence or generate terms for a specific sequence.

The Wolfram Calculus Course Assistant is powered by the Wolfram|Alpha computational knowledge engine and is created by Wolfram Research, makers of Mathematica—the world's leading software system for mathematical research and education.

MATLAB Mobile

http://itunes.apple.com/ us/app/matlab-mobile/ id370976661?mt=8

Provides remote access to a MatLab workspace.

Cloud access to the program, good resource for engineers and should get some improvements with time.



Khan Academy iPhone app series - Videos about Math topics

www.khanacademy.org

http://itunes.apple.com/us/app/khanacademy-a-classroom-in/id361975619? mt=8

"Watch. Practice. Learn almost anything for free." Videos about many math topics.

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