



Challenge Based Learning Web Resources

Challenge Based Learning Main Page

<http://cbl.apple.com/pages/about-cbl>

At this site, facilitator and participants can get to a number of documents, resources, videos, and other information pertaining to developing and implementing Challenge Based Learning challenges.

“Challenge Based Learning: A Classroom Guide” found on this page will be downloaded via iBooks to all participant iPad devices.

The “Big Idea” video is found on this page.

Challenge Based Learning Classroom Guide

http://images.apple.com/education/docs/CBL_Classroom_Guide_Jan_2011.pdf

Challenge Based Learning: A Classroom Guide can be downloaded directly from this site as well; it contains the Challenge Proposal Storyboard and the Solution Storyboard templates.

Challenge Based Learning Challenges

<http://cbl.apple.com/challenges>

A number of examples of challenges can be accessed here.

Challenge Based Learning Support

<http://cbl.apple.com/pages/support>

From this page, download the CBL Timeline, CBL Checklist, and Big Ideas and Essential Questions documents.

Challenge Based Learning Challenge Details

<http://cbl.apple.com/challenge/create>

This series of pages presents the steps that one follows to create a successful challenge.

Challenge Proposal Storyboard

cbl.apple.com/public/assets/docs/proposal_storyboard.pdf

This is the link to the PDF of the Challenge Proposal Storyboard used in the workshop.

Challenge Based Learning Rubric

cbl.apple.com/public/assets/docs/CBL_Rubric.pdf

This sample rubric can be used as participants develop their challenges.

Math A Tube

www.mathatube.com

Math A Tube is a compilation of videos from a variety of users and other websites. Videos are categorized by mathematics topics and subtopics. The videos demonstrate everything from basic addition through Geometry. The videos on Math A Tube are user-generated so some videos are better than others.

Challenge Based Learning (iOS)

Web Resources

Math TV

<http://mathtv.com>

Math TV provides an extensive collection of high-quality mathematics tutorials. Math TV's video lessons cover basic mathematics and Algebra. Math TV videos are not easily embedded in other websites, but they are free and you can create your own individualized playlists.

Tutor-USA.com

<http://tutor-usa.com/videos>

Hundreds of free Algebra video lessons and tutorials as well as Geometry video lessons, angles, circles, secants, and proofs.

Brightstorm

www.brightstorm.com

Brightstorm is a provider of online study materials for mathematics as well as ACT and SAT preparation. The ACT and SAT preparation materials are not free, but the mathematics tutorials are free. The mathematics tutorials are videos featuring mathematics teachers explaining and demonstrating how to solve mathematics problems and cover Algebra, Geometry, Trigonometry, and Calculus. The videos can be viewed on the Brightstorm site or you can embed them into your blog or wiki.

Mathtrain TV

www.mathtrain.tv

Mathtrain TV is the product of students taught by Mr. Marcos at Lincoln Middle School in Santa Monica, California. The site features videos in which students explain how to solve mathematics problems commonly attempted by middle school students. It also has videos made by teachers. Many of the videos are subtitled.

Interactive Algebra

www.mathsnet.net/algebra/equation.html

Solve each equation. For the first 20 equations, a double checkmark indicates the correct answer in the minimum number of steps, which are shown to the left of the equation.

AP Chatulus: Chat about AP Calculus

<http://hkiscalc.wetpaint.com>

Chats about Calculus and Calculus problems explored

edHelper.com

www.edhelper.com/math.htm

Math printables; daily math and critical thinking practice

Math Links

www.mysciencesite.com/links_1.html

Links to other websites for lessons, tutorials, and games

Challenge Based Learning (iOS)

Web Resources

Maths is Fun!

www.mathsisfun.com

Games for many math topics, such as data, Geometry, money, Algebra, numbers, and measurement. Includes worksheets and puzzles

Test and Worksheet Generators for Math Teachers

www.kutasoftware.com/free.html

Free Algebra 1 worksheets

math.com: The World of Math Online

www.math.com/homeworkhelp/Algebra.html

A reference help for homework activities, quizzes, and worksheets

Hotmath.com Math Games

[Mathematics Games - Algebra Games - Graphing Games - Hotmath](#)

Math games such as Catch the Fly and Algebra vs. the Cockroaches

Math Games

[Free online math games – from Mangahigh.com](#)

Math games from Mangahigh

Khan Academy

[Khan Academy](#)

Begun as Sal making a few Algebra videos for his cousins, Khan Academy now has more than 2100 videos and 100 self-paced activities, covering math as well as other topics.

Math Art

[Math Art Activities](#) | [Math Art Projects](#) | [Math Art Lessons](#)

Math Art is to help teachers introduce, reinforce, or expand upon math topics by blending the subjects of mathematics and art. Elementary school level

ABCya.com

[ABCya! Kids Educational Computer Games & Activities](#)

Elementary school level math games