

# Online Resources





# http://patrickjmt.com/

Patrick is a mathematics teacher at Austin Community College and provides many online maths resources that are free to view videos that are regularly updated, have related videos to other maths tutorials and clear tags and topic headings. The front page is a bit messy but the Content is one of the best on the net.



#### mathtv.com

Produce quality materials for mathematics instruction, including textbooks (both print and electronic) videos, online homework, and worksheets.



#### brightstorm.com

Brightstorm has over 2000 math videos. These videos cover Algebra, Geometry, Algebra 2, Trigonometry, Pre-calculus and Calculus. The videos are mostly of a real teacher giving a stand up lesson at a white board. They are professionally made and have full screen and embed code. They are not downloadable.



## khanacademy.org

Khan Academy has hundreds of free videos. The videos average about 10 minutes in length. All videos are "chalk and talk" lessons on a computer screen, using multiple coloured pens on a black background, with voice narration the whole way through.



#### yaymath.org

This is an excellent non-profit site run by Robert Ahdoot in the USA. He likes to dress up and add comedy to his videos, and is doing a great job at this resulting in millions of online views. Whilst there are only 60 videos and most are aimed at a secondary level, it is a fun and interactive learning module.



# http://www.youtube.com/user/ArtofProblemSolving?feature=watch

Richard is a great presenter who uses brilliant interactive graphics in his videos. His presentations are passionate, well thought out, and well delivered. His YouTube channel has nearly 300 videos on topics from all areas of mathematics that range in level from Junior High School right through to Senior levels.





#### www.thefutureschannel.com

This is a great site for "Maths in the Real World" videos. Unfortunately the site does not have a Search facility, and it is a matter of using the left hand sidebar links, to manually go through videos and find ones that are good enrichment material for various maths topics.



# **Resources and Websites**





# wolframalpha.com

Wolfram Alpha introduces a fundamentally new way to get knowledge and answers not by searching the web, but by doing dynamic computations based on a vast collection of built in data, algorithms, and methods.



#### www.mathtutor.ac.uk

The mathtutor team are closely involved in the development of the sister site **math**centre.com. **Math**centre contains a vast range of resources to help students and their teachers during the transition to university level mathematics, including all mathtutor resources.



## http://www.cf.ac.uk/mathssupport/

Provides direct access to a variety of learning materials, on a range of mathematical topics, organised according to subject/discipline.



#### www.mathsisfun.com

While simplistic and picture based it is aimed at a primary level however the concepts are given in an easy to understand manner for even for the most maths phobic person.



# mathvids.com

MathVids accommodates for learning styles. MathVids supplements your classroom education with a variety of teachers explaining the same lesson in varied ways. Also all the videos are downloadable.



# http://www.mymaths.co.uk/

MyMath is a fully interactive online mathematics solution for all ages and abilities.



# http://www.nationalstemcentre.org.uk/elibrary/maths/

This website is bought to you by the Science, Technology, Engineering and Maths (STEM) centre and provides disciplinary specific mathematics assistance based on real life and real world problems.



# http://nrich.maths.org/frontpage

Provides teacher support for mathematics at the same time teaching students key concepts.

#### STUDENT LEARNING CENTRE

REGISTRY BUILDING ANNEXE

TEL: 61-8-8201 2518 E-MAIL: slc@flinders.edu.au

INTERNET: <a href="http://www.flinders.edu.au/SLC">http://www.flinders.edu.au/SLC</a>
POSTAL: PO Box 2100, ADELAIDE, SA 5001