



Recommended Mathematics Websites

Rob Eastaway

Rob Eastaway started the Maths Inspiration series of shows that you may have had to chance to see with your school at the Crucible Theatre. His website contains maths articles and maths puzzles for you to enjoy.

<http://robeastaway.com/maths-and-puzzles>

Mr Barton Maths Takeaway

This has a series of videos and worksheets on all the GCSE Mathematics topics. The main foundation for A Level Mathematics is algebra. We would recommend the Higher Algebra section. That is the videos and worksheets from 100 – 117.

<http://www.mrbartonmaths.com/students/legacy-gcse/gcse-maths-takeaway.html>

Mathematician of the day

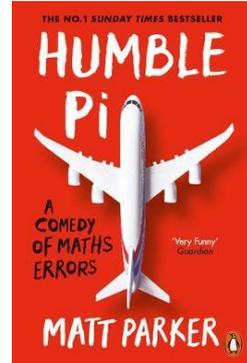
This is a link to the history of maths archive by St Andrews University. If you click on the Mathematician of the Day on the left-hand side then this link will tell you any mathematicians that were born or died on the current day and give you some information about them. It also gives a maths quote of the day.

<http://mathshistory.st-andrews.ac.uk/>

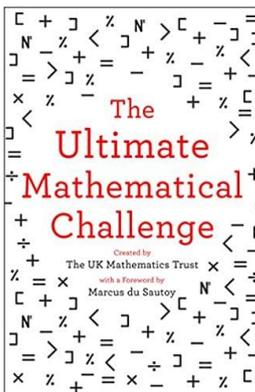
Maths book suggestions

1) Humble Pi

This is a book written by Matt Parker that explains what happens when maths goes wrong in the real world. If you haven't heard of Matt Parker, then he is a maths comedian who tours with his maths comedy shows and has even played the Edinburgh Festival. He is worth following on Twitter if you have it.



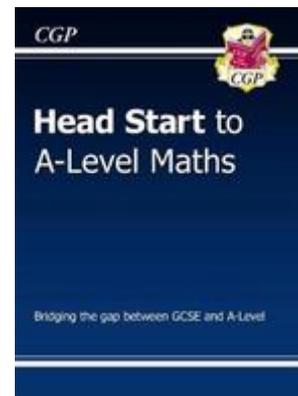
2) The Ultimate Mathematical Challenge



This is collection of puzzles and games from the people who write the UKMT Maths Challenge. It also has a foreword by Marcus du Sautoy. If you don't know who that is then google it!

3) Head Start to A – Level Maths

We have used these books in the past at TRC to help students revise the algebraic skills that are required for A – Level Maths.



3)

Film suggestions related to Mathematics

1) **X + Y**

This is a film about a teenage maths prodigy who competes in the International Mathematics Olympiad. It has a local connection as some of it was filmed in Sheffield, although it is not actually set in Sheffield in the film.



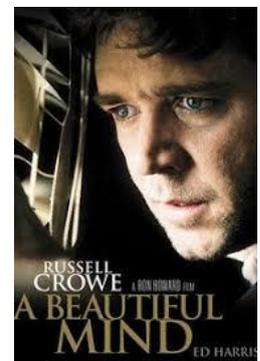
2) **Hidden Figures**



This is a film set in 1961 about three female mathematicians and their pivotal role in astronaut John Glenn's launch into orbit. It was nominated for three Oscars.

3) **A Beautiful Mind**

This film won the Oscar for Best Picture in 2002. It is based on the life of the mathematician, John Nash. He is best known for his work on Game Theory, which has applications to economics. He won the Nobel Prize for Economics in 1994 for his work. If you pick to do Further Mathematics as TRC then some of the Discrete Mathematics that we do is on this branch of mathematics.



There are lots of other great films about mathematics out there too. Maybe you can tell us some of your favourites if you choose to do Mathematics or Further Mathematics at TRC.