

Reading List for Maths

KS3 – KS5

A Brief History of Mathematics - Professor Marcus du Sautoy argues that mathematics is the driving force behind modern science. Ten fifteen minute podcasts that reveal the personalities behind the calculations from Newton to the present day. How do these masters of abstraction find a role in the real world?

[BBC Radio 4 Extra - A Brief History of Mathematics - Downloads](#)

The Number Devil

The Number Devil is about twelve year old Robert who hates maths. Then in a dream, Robert meets the Number Devil, who brings the subject magically to life, illustrating with wit and charm a world in which numbers can fascinate and amaze by Hans Magnus Enzensberger.

Murderous Maths

This set of 10 books teaches maths topics, spanning from basic arithmetic to relatively complex concepts such as the quadratic formula and trigonometry. The books are written in an informal similar style involving evil geniuses, gangsters, and a generally comedic tone all by Kjartan Poskitt

- Savage Shapes
- The Phantom X
- The Perfect Sausage
- The Key to the Universe
- Guaranteed to Mash Your Mind
- Guaranteed to Bend Your Brain
- Easy Questions - Evil Answers
- Do You Feel Lucky
- Desperate Measures
- Awesome Arithmetricks

Mathematical Puzzles and Problems/ IQ Puzzles

- **IQ Challenge** – Over 150 brain-busting conundrums
- **10 minute Brain Workout** – Brain Training Tricks, Riddles and Puzzles
- **The Number Detective** – 100 Puzzles to test your logical thinking
- **Visual Thinking Puzzles**
- **The Great Book of Maths Teasers**
- **Difficult Riddles for Smart Kids by M Prefontaine**

Rob Eastaway

- Maths On The Back Of An Envelope.
- Why do Buses Come in Threes?
- How Long is a Piece of String?

Matt Parker

- Humble Pi. What makes a bridge wobble when it's not meant to? Billions of dollars mysteriously vanish into thin air? ...
- The Maths Book - Big Ideas Simply Explained.
- Things to make and do in the fourth dimension.

Simon Singh

- The Code Book.
- The Cracking Code Book.
- Fermat's Last Theorem.

More suitable to KS5

- **The Music of the Primes** - A look at Riemann's hypothesis and the relevance of a formula to generate primes by Marcus Du Sautoy
- **Finding Moonshine** - A book full of insight into the nature of symmetry and the people who study it by by Marcus Du Sautoy

- **Dr Riemann's Zeros** - The search for the \$1,000,000 solution to the greatest problem in Mathematics by Karl Sabbagh
- **How Big is Infinity** - An exploration in to the most perplexing, stimulating and surprising questions in Mathematics by Tony Crilly
- **A Brief History of Time** - From the Big Bang to Black Holes by Stephen Hawking
- **The Best Writing on Mathematics** - Memorable pieces of writing on Mathematics from 2011
- **An Imaginary Tale**: The Story of the square root of -1 by Paul Nahin
- **e The Story of a Number** - What is e, it's origins and applications by E Maor
- **Six Easy Pieces** - The fundamentals of Physics explained by Richard Feynman.