

Sixth Form Mathematics Reading List

Below are some suggested books that you might consider reading, particularly if you are thinking about doing Maths or a Maths related subject at University. You will find that some of these books go across different subjects, this has been noted in italics and highlighted below. Other useful comments relevant to individual books have also been noted in the same way. If there is anything you do not understand when reading these books, make a note of it and ask your teacher who will be more than willing to help. Reading around the subject will benefit your understanding of the subject and help with writing your applications for University.

You should read the summaries/reviews of the books (which can be found online) to choose the books that will be of interest to you. There are a lot of books here, so be selective and choose the ones that will appeal to you (you will not have time to read them all).

The Numbers Game: Why Everything You Know About Football is Wrong by Chris Anderson and David Sally

This book might be interest to those of you interested in Football or studying PE

The Hidden Mathematics of Sport by Rob Eastaway

This book might be interest to those of you studying PE or interested in Sport

How Many Socks Make a Pair? by Rob Eastaway

Maths on the Back of an Envelope: Clever Ways to (roughly) Calculate Anything by Rob Eastaway

Why do Buses Come in Threes? By Rob Eastaway and Jeremy Wyndham

How to Read Numbers by David Chivers and Tom Chivers

The Indisputable Existence if Santa Claus by Hannah Fry and Oluron Evans

This book is about the Mathematics of Christmas – might be more suitable to read in December.

The Golden Ratio by Mario Livio

Things to Make and Do in the Fourth Dimension by Matt Parker

Humble Pi: A Comedy of Maths Errors by Matt Parker

The Mathematical Secrets of the Simpsons by Simon Singh

A must read for anyone who is a fan of The Simpsons

The Art of Statistics by David Spiegelhalter

What's the Use? The Unreasonable Effectiveness of Mathematics by Ian Stewart

Professor Stewart's Casebook of Mathematical Mysteries by Ian Stewart

Professor Stewart's Cabinet of Mathematical Curiosities by Ian Stewart

Professor Stewart's Hoard of Mathematical Treasures by Ian Stewart

These three books contain puzzles and short articles about Mathematics. These are the type of book you dip into when you have five minutes spare and not necessarily the type that you read from front to back.

Why Beauty is Truth: The History of Symmetry by Ian Stewart

Significant Figures: Lives and Works of Trailblazing Mathematicians by Ian Stewart

This might be of interest to those of you studying history.

Seventeen Equations that Changed the World by Ian Stewart

From Here to Infinity by Ian Stewart

Professor Stewart's Incredible Numbers by Ian Stewart

The Beauty of Numbers in Nature: Mathematical Patterns and Principles from the Natural World by Ian Stewart

Calculating the Cosmos: How Mathematics Unveils the Universe by Ian Stewart