



## SWGS KS3 READING LIST: MATHS

The purpose of this reading list is to encourage students to read, enjoy and learn beyond the taught curriculum. You can use the resources here to support and to enrich your learning.

General \* denotes main textbook(s)

Kjartan Poskitt, The Murderous Maths series (3 books)

Find out how maths could help you rescue someone in deadly peril, how not to shoot yourself with a cannon, and meet some famous mathematicians who were really hard (and even some who were murdered).

Hans Magnus Enzensberger, The Number Devil: A Mathematical Adventure

Twelve-year-old Robert meets the Number Devil, who brings the subject magically to life, and knows how to make maths devilishly simple.

Marcus Du Sautoy, The Number Mysteries

In The Number Mysteries Marcus du Sautoy offers a playful and accessible examination of numbers and how, despite efforts of the greatest minds, the most fundamental puzzles of nature remain unsolved.

Nigel Langdon, A Way With Maths

A collection of mathematical investigations with plenty of direction and explanation.

Brian Bolt, The Mathematical Funfair

This contains 128 puzzles and games designed to challenge people of all ages.

Charles Snape, How Amazing

This is a collection of puzzles, secrets to unravel, mysteries and investigational activities with the theme of the maze as its starting point.

## Mary Brading/John Bibby, Maths from History (3 books):

These three books examine the mathematical achievements of the Greeks, the Egyptians and the Romans.

## Anita Ganeri, From Abacus to Calculator – the story of numbers and counting

The Signs of the Times series presents a history of basic systems of communication and calculation.

## Richard Phillips, Numbers, Facts, Figures and Fiction

This book counts from 0 to 200, giving facts (both mathematical and cultural), tantalising problems and anecdotes for each number.

## Johnny Ball, Mathemagicians

Using fascinating experiments, funky illustrations, and easy-to-follow language, the book narrates the story of how the field of mathematics developed, and shows you why the world cannot function without it.

## Johnny Ball, Think of a Number

Learn to test your friends with magic tricks, discover mind-reading techniques and find out about the simple puzzles that stumped the world's brainiest mathematicians for centuries.

## E. R. Ranucci, Creating Escher – Type Drawings

A study of transformational geometry with reference to the drawings of M.C. Escher with an appendix on his life and art.