

# Raising aspirations – Mathematics

At Ormiston Bushfield Academy, we believe every student should have the opportunity to explore, question, and excel in Maths. This page offers a carefully selected range of books, websites, and podcasts to stretch your curiosity; deepen your understanding; and help you see the possibilities that Maths can offer. Whether you're looking for your next great read, a new challenge, or a glimpse into the beauty of maths - you'll find something here to spark your ambition and raise your aspirations.

## Suggested Reading list

### KS3 (years 7-9)

**1089 + all that = a journey into maths by David Acheson** – An extraordinary little book that makes mathematics accessible to everyone. From very simple beginnings it takes you on a thrilling journey to some deep mathematical ideas

**The Joy of X by Steven Strogatz** – Maths is everywhere, often where we don't even realise. Take a tour of numbers that - unbeknownst to the uninitiated - connect pop culture, literature, art, philosophy, current affairs, business and even everyday life.

**The man who Counted by Malba Tahan** – Be taken on a journey in which, time and again, Samir summons his extraordinary mathematical powers to settle disputes, give wise advice, overcome dangerous enemies, and win for himself fame, fortune, and rich rewards.

### KS4/5 (years 10-13)

**Fermat's last Theorem by Simon Singh**- A remarkable tale of intellectual endeavour spanning three centuries, and a moving testament to the obsession, sacrifice and extraordinary determination of Andrew Wiles: one man against all the odds.

**Alex's Adventures in Number land by Alex Bellos** – A richly entertaining and accessible book exploring the myth that maths is best left to the geeks.

**Is maths real by Eugenia Cheng** – From imaginary numbers to the perplexing order of operations we all had drilled into us, Eugenia Cheng - mathematician, writer and woman on a mission to rid the world of maths phobia - brings us maths as we've never seen it before.

## Websites

**Plus maths** [Home | plus.maths.org](http://plus.maths.org)- Are you curious about maths and the world? Then explore *Plus* to stay connected with mathematics: from the maths of everyday life to the latest current research!

**Advanced Maths Support Programme** [Students - AMSP](#)- The AMSP is all about helping you to study advanced maths after your GCSEs. Supporting students enjoyment of maths, helping to make the best study choices, and guide students to achieve their full potential.

**NRich** [Secondary Students | NRICH](#) A problem solving website offering activities to enrich and extend the topics being taught in school.

## Podcasts

**Numberphile Podcast – Numberphile**- Interviews with mathematicians, such as Simon Singh, discussing topics like the history of mathematics and its real-world applications.

**More or Less** [BBC Radio 4 - More or Less](#)- Tim Harford explains - and sometimes debunks - the numbers and statistics used in political debate, the news and everyday life

**Uncharted with Hannah Fry** [BBC Sounds - Uncharted with Hannah Fry - Available Episodes](#)- From exposing fraud to finding true love, mathematician Hannah Fry follows the numbers on thrilling adventures of data and discovery.