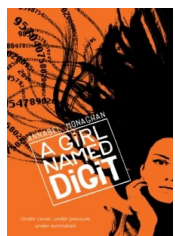


Fiction



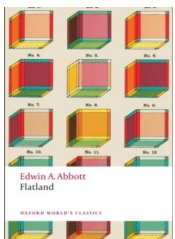
An Abundance of Katherines by John Green

Colin is on a mission to prove The Theorem of Underlying Katherine Predictability. A journey of love and friendship, with a hint of comedy!



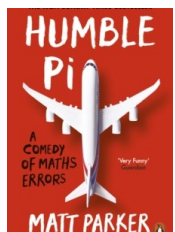
A Girl Named Digit by Annabel Monaghan

When Farrah “Digit” Higgins, daughter of a UCLA maths professor, cracks a terrorist group’s number sequence, High School gets a lot more interesting.



Flatland: A Romance of Many Dimensions by Edwin Abbott

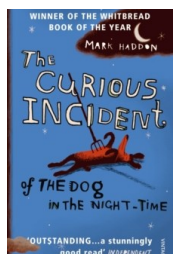
Science fiction takes on a new dimension— literally. Part geometry lesson, part social satire .



Humble Pi A Comedy of Maths Errors by Matt Parker

Near misses and mishaps with planes, bridges, the internet and big data from stand up mathematician Matt Parker. **510**

* **Non-fiction**



The Curious Incident of the Dog in the Night-time by Mark Haddon

Christopher loves lists and patterns, is fifteen and has Asperger’s Syndrome. He knows a great deal about maths, and is a dab hand at solving murder mysteries!

Websites

- www.ima.org.uk
- www.mymaths.co.uk
- www.newscientist.com
- www.stem.org.uk
- www.m-a.org.uk
- www.nrich.org.uk

Podcasts & You Tube

- **BBC Radio 4 More or Less** — The Undercover Economist, Tim Harford, debunks and explains the numbers and statistics used in political debate, the news and everyday life.
- **Relatively Prime**—Stories and interviews from the mathematical world. Free on iTunes.
- **BBC Radio 4 A Brief History of Mathematics** — Interviews with the personalities behind the calculations and who believe maths is the driving force behind modern science.

Inspiration

“If I feel unhappy, I do mathematics to become happy. If I am happy, I do mathematics to keep happy.”

Alfred Renyi

Learning Resource Centre 2023/24



MATHS

SUBJECT RESOURCES FOR R6 STUDENTS

All available from the

LEARNING RESOURCE CENTRE



Learning Resource Centre 2023/24

Non-Fiction

Books you may find useful to broaden your mathematic knowledge will be found in all libraries under the following Dewey Decimal numbers:

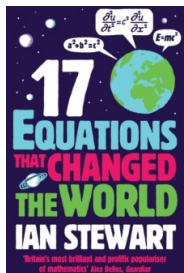
Computer Science: 004

Geometry: 516

Mathematics: 510

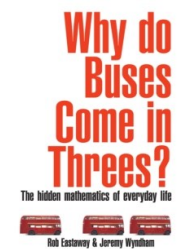
Gaming: 795

Construction mathematics: 620



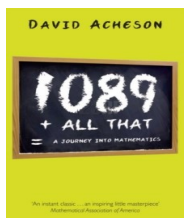
Seventeen Equations that Changed the World by Ian Stewart

From the exploration of how Pythagoras's Theorem led to GPS and Satnav to how logarithms are applied to architecture—how 17 ground-breaking equations have altered the course of human history. **512**



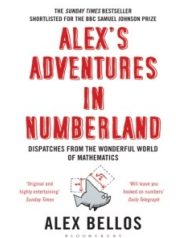
Why Do Buses Come in Threes? by Rob Eastaway

Dating, cooking, travelling by car, gambling, and life saving techniques all have links with intriguing mathematical problems. Find out how, in this book. **510**



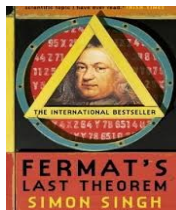
1089 and All That by David Acheson

A fascinating journey, from calculus puzzles, to a brief history of pi, all in short chapters, each packed with puzzles and comic illustrations. **510**



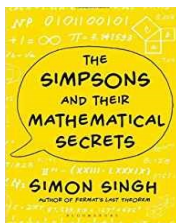
Alex's Adventures in Numberland by Alex Bellos

In search of weird and wonderful mathematical phenomena, Bellos travels across the globe and meets the world's fastest mental calculators in Germany and numerate chimpanzees in Japan. **510**



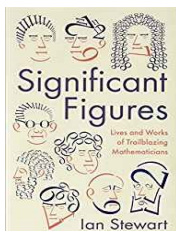
Fermat's Last Theorem by Simon Singh

The story of the solving of the puzzle that has confounded mathematicians since the 17th century. **512**



The Simpsons and their Mathematical Secrets by Simon Singh

Singh explains how the brilliant writers, have smuggled in mathematical jokes throughout the cartoon's 25 year history from Mersenne primes to Euler's equation. **510**



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

The extraordinary lives and amazing discoveries of 25 of history's greatest mathematicians. **510**



Hidden Figures: The Untold Story of the African American Women Who Helped Win the Space Race by Margot Lee Shetterly

Set amid the civil rights movement, the story of NASA's African American female mathematicians who played a crucial role in America's space program. **973**

School Information

Exam Board: OCR B (MEI)

Subject Leader: Mrs C Horton

Maths: Minimum grade: Maths GCSE grade 6.

Mathematical Studies (AQA): Minimum grade: Maths GCSE grade 4.

Further Maths: Minimum grade: Maths GCSE grade 7.

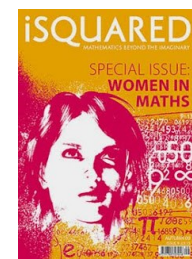
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