



Mathematics



Super Curriculum

Hinchingbrooke Sixth Form

Excellence in Everything



Mathematics

Listening Tasks

Relatively Prime

Listen to [Relatively Prime](#) podcast by Samuel Hansen.

Numberphile

Listen to the [Numberphile](#) podcasts which is full of fascinating number facts.

A Brief History of Mathematics

Listen to the episodes of [A Brief History of Mathematics](#) – podcast series by Marcus du Sautoy.

The Infinite Monkey Cage

The [Infinite Monkey Cage](#) - a podcast with Robin Ince and Professor Brian Cox.



Mathematics

Research Tasks

Alan Turing

Research the life and work of Alan Turing. Watch 'The Imitation Game', and read the book of the same name, about his involvement in code breaking of Enigma.

Mathigon

Visit <https://mathigon.org/timeline> for a timeline of significant contributors to the world of mathematics.

Golden Gate Bridge

Research the construction of the Golden Gate Bridge in San Francisco and learn how its constructions changed due to the curvature of the earth.

<https://www.goldengate.org/bridge/history-research/educational-resources/school-projects/>



Mathematics

Watching Tasks

Hidden Figures

A film and book about the African-American Mathematicians of NASA who helped America win the Space Race.

The Man Who Knew Infinity

Watch 'The Man Who Knew Infinity', a biography based drama on the mathematician Srinivasa Ramanujan.

Frames of Mind

[Frames of Mind](#) is a documentary film about nine UK-based mathematicians offering insights into their mathematical thinking across a broad range of fields.

A Beautiful Mind

Starring Russell Crowe, learn about the mathematical genius of John Forbes Nash Jr.

Tom Crawford on Covid

Watch Tom Crawford explain the SIR disease model for COVID-19 (Coronavirus) as well as videos on a wide range of mathematics on his [Tom Rocks Maths website](#)

Magic Numbers

The Mysterious World of Maths, [Magic Numbers](#), a BBC document explores the world of Maths with Dr Hannah Fry.



Mathematics

Trips and Visits

Bletchley Park

Explore the world of coding and maths - details [here](#).

Mechanical Art and Design Museum

The Mechanical, Art & Design museum in Stratford-upon-Avon <https://themadmuseum.co.uk/>

Science Museum

Visit the Maths Gallery at London's [Science Museum](#),

Bank of England Museum

Visit the [Bank of England Museum](#) in Threadneedle Street.



Mathematics

Student Led Tasks

NRICH

Explore University of Cambridge's [NRICH](#) website for curriculum linked resources.

Teach Maths!

Support students in your school or provide 1:1 provision.

Wolfram Mathworld

Visit <https://mathworld.wolfram.com/> a website of extensive mathematical resources. You could try the following puzzle <https://mathworld.wolfram.com/TwoTrainsPuzzle.html>

Wolfram Mathworld

Visit the [I Love Maths](#) website for information for careers advice in maths, science and engineering

Maths Jokes and Puns

Enjoy maths jokes and puzzles from <https://www.mrbartonmaths.com/jokes/#general>

Underground Mathematics

Visit [Underground Mathematics](#) to explore the connections that underpin mathematics and use the resources to deepen your understanding.

Dr Frost Mathematics

Visit [Dr Frost Mathematics](#) for Olympiad worksheets, past papers and lots of informative resources.

Institute of Mathematics

Visit the Institute of Mathematics website and subscribe up to the [e16plus newsletter](#) and browse the website for information on workshops and events.

Problem solving

[Brilliant problems](#) – a website with guided interactive problem solving that's effective and fun or Celebrate Pi Day with an interesting way to calculate Pi using colliding blocks [here](#).

Society of Young Mathematicians

Join the [Society of young Mathematicians](#)

Advanced Mathematics Support Programme

This website provides lots of information on universities, as well as webinars and events, aimed at next steps <https://amsp.org.uk/>



Mathematics

Creative Tasks

Impossible Hexagons

Follow this YouTube clip on how to draw an [Impossible Hexagon](#) and other impossible shapes and optical illusions.

Things to make and do in the fourth dimension

Read Things to make and do in the fourth dimension by Matt Parker.