

MATHEMATICS SUPER CURRICULUM

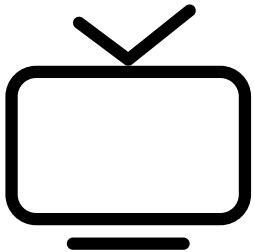
Push yourself beyond the classroom and increase your chances of success

READ



- Why Do Buses Come in Threes? by Rob Eastaway, Jeremy Wyndham, Tim Rice
- Power in Numbers: The Rebel Women of Mathematics, by Talithia Williams
- 17 Equations that changed the World, by Professor Ian Stewart
- The Music of the Primes, by Marcus Du Sautoy
- The Man Who Loved Only Numbers by Paul Hoffman.

WATCH



- Hidden Figures -
- Matt Parker - Visit Standup Mathematician Matt Parker's Youtube channel for a selection of fun videos
- Ben Sparks - www.bensparks.co.uk a mathematician, musician and speaker.
- The Man Who Knew Infinity -
- Frames of Mind- Watch this 60 minute documentary film
- A Beautiful Mind
- Tom Crawford on Covid - Watch Tom Crawford explain the SIR disease model for COVID-19
- Magic Numbers - Magic Numbers Mysterious World of Maths, a BBC documentary.

LISTEN



- Relatively Prime - Listen to maths documentary podcast - Relatively Prime, by Samuel Hansen.
- Numberphile - Listen to podcasts from The Numberphile.
- Listen to In our Time with Melvyn Bragg discussing the ideas of Carl Friedrich Gauss.
- A Brief History of Mathematics - BBC Radio 4 podcast by Marcus du Sautoy
- The infinite monkey cage - a podcast with Robin Ince and Professor Brian Cox.
- The Curious Cases of Rutherford and Fry - podcast, with Adam Rutherford and Hannah Fry.

DO



- Impossible hexagon - Draw an impossible Hexagon here.
- Nrich - Explore problems from nrich maths,
- Try the two trains puzzle as discussed in the film A Beautiful Mind.
- Maths Challenges - Develop your problem solving skills by trying these UKMT Maths Challenge questions.
- Look up Cambridge University maths here
- RISPS - Look up RISPS Open-ended investigative activities for the A Level Pure Mathematicians here.
- Brilliant Problems - Try challenging mathematical problems: https://brilliant.org/dailyproblems/