

Super Curriculum – Year 12 & 13

Subject: Mathematics



Reading Task



Research Task



Listening Task



Watching Task

Location to Visit



Creative Task



Writing Task



Independent Project



<p>'17 Equations that changed the World' by Professor Ian Stewart</p>	<p>'Why do buses come in threes? The Hidden Mathematics of Everyday Life', by Rob Eastaway and Jeremy Wyndham.</p>	<p>'The Man Who Loved Only Numbers: The Story of Paul Erdős and the Search for Mathematical Truth', by Paul Hoffman</p>
<p>The Numberphile – full of fascinating number facts https://www.numberphile.com/</p>	<p>'Hidden Figures', by Margot Lee Shetterly</p>	<p>Visit Standup Mathematician Matt Parker's Youtube channel for a selection of fun videos. https://www.youtube.com/channel/UCSju5G2aFaWMqn-0YBtg5A</p>
<p>Research the life and work of Alan Turing. Watch 'The Imitation Game' and read the book of the same name.</p>	<p>Try some STEM related origami and understand the maths behind them https://www.stem.org.uk/resources/community/collection/19810/origami-mathematics</p>	<p>Research Muhammed Al-Khwarizmi https://mathigon.org/timeline/al-khwarizmi</p>
<p>Listen to A Brief History of Mathematics, a podcast by Marcus du Sautoy https://www.bbc.co.uk/programmes/b00srz5b/episodes/player</p>	<p>Listen to maths documentary podcast – Relatively Prime, by Samuel Hansen http://relprime.com/</p>	<p>The Infinite Monkey Cage, a podcast with Robin Ince and Professor Brian Cox. https://www.bbc.co.uk/programmes/b00snr0w/episodes/downloads</p>
<p>Research the Golden Gate Bridge and how the curvature of the earth changes its structure</p>	<p>Try challenging mathematical problems. https://brilliant.org/daily-problems/</p>	<p>Read articles, investigate problems, get creative and plan visits. https://www.mathscareers.org.uk/i-love-maths/</p>