	Read	Watch	Visit
Year 7	**Can You Solve My Problems? by Alex Bellos:** A case book of ingenious, perplexing and satisfying puzzles. Students can learn about The Ten Best Mathematicians at https://www.theguardian.com/culture/2010/apr/11/the-10-best-mathematicians	**Download this inspiring TED Talk – Maths is the hidden secret to understanding the world** (reflecting on fractions from a completely different perspective and linking to empathy, one of Qualities of Success): https://www.youtube.com/watch?v=ZQElzjCsl9o **Download iPad/iPhone app called Brilliant (also available online at brilliant.org)** – take a daily problem-solving challenge- not for the faint-hearted!	• The Big Bang Fair North West Look out for key dates for this fantastic exhibition aimed at the UK's Young Scientists and Engineers: **http://www.thebigbangfair.co.uk/**
Year 8	**Can You Solve My Problems? by Alex Bellos**: A case book of ingenious, perplexing and satisfying puzzles. Broaden your knowledge about local greats by reading all about one of Manchester's famous Mathematicians, Alan Turing and discover the contributions he made to Mathematics: **https://www.britannica.com/biography/Alan-Turing** Parents can encourage students to research the history behind magic squares, with an introduction written by NRICH Maths: https://nrich.maths.org/8394	Build your knowledge of algebra by watching this discussion of the problems of language, and how algebraic notation is an attempt to avoid any ambiguities: https://www.bbc.com/education/clips/zwf8q6f Maths is everywhere! See this inspiring TED Talk about the maths behind Origami: **https://www.ted.com/talks/robert_lang_folds_way_new_origami**	• Breakout, Manchester For an exciting family experience, visit Breakout Manchester and use your mathematical problem-solving skills to escape from a room in less than an hour! • Museum of Science and Industry Explore the museum to see the contribution maths has made to industry.

Year 9	**Articles and puzzles to be solved on the NRICH website:** **https://nrich.maths.org/**	Maths is everywhere! Download inspiring TED Talks about the Symmetry, Reality's Riddle: https://www.ted.com/playlists/189/math_talks_to_blow_your_mind	• Jodrell Bank See how speed, distance and time is used in real life as well as the use of standard form to display numbers in a concise way.
Year 10	**Fermat's Last Theorem by Simon Singh** This is a popular science book published in 1997. It tells the story of the search for a proof of Fermat's last theorem, first conjectured by Pierre de Fermat in 1637, and explores how many mathematicians such as Évariste Galois had tried and failed to provide a proof for the theorem.	Explore different ways maths is used by watching this inspiring TED Talk about the how Statistics fool juries: http://www.mathsinsider.com/ted-ed/	• **Mathematical Games from Around the World:** https://nrich.maths.org/8261
Year 11	Students can access a daily conundrum linked to topics covered this year on Corbett Maths by clicking "Conundrum" on the home page of the website: www.corbettmaths.com	Worked solutions for practice papers can be accessed on YouTube by specifying the tier, set and paper specifics in the search bar	• Students can log onto PiXL Maths App (logins were given to students in Year 10 and at the start of term) to revise key topics covered this half term