



Engage...Explore...Excel...



Maths

	Start-up (KS3/4)	Expansion (KS4/5)
Read	<p>There are many great and prolific authors, some of the maths department's favourites are:</p> <p>Simon Singh – <i>The Simpsons and their Mathematical Secrets, The Code Book</i> Martin Gardener – Many titles on logic, puzzles and activities Edwin A Abbott – <i>Flatland, a Romance in 2 Dimensions</i> Marcus De Sautoy – <i>The Music of the Primes</i> Matt Parker – <i>Things to Make and Do in the 4th Dimension</i> Rob Eastaway – <i>How long is a piece of String?</i> Hans Magnus Enzensberger - <i>The Number Devil</i> Maths for Minecrafters – a series of titles Detective Stories Also logic puzzle books, Sudoku, or similar</p>	<p>So many great and prolific Authors, so anything by:</p> <p>Robin Wilson - <i>Lewis Carroll in Numberland</i> Ian Stewart – <i>Does God Play Dice?</i> David Sobel- <i>Longitude</i> Alex Bellos – <i>Alex's adventures in Numberland</i> Edwin A Abbott – <i>Flatland, a Romance in 2 Dimensions</i> Simon Singh – <i>The Maths of the Simpsons</i> Marcus De Sautoy – <i>The Music of the Primes</i> Matt Parker – <i>Things to Make and Do in the 4th Dimension</i> Ben Hoffman – <i>The Man Who Loved Numbers</i> Detective Stories Also logic puzzle books, Sudoku, or similar</p>
Watch	<p>Films: A Beautiful Mind, X&Y, The Theory of Everything, Hidden figures, The Man Who Knew Infinity, Good Will Hunting, The Imitation Game, Listen on Radio 4/Sounds app: More or Less, The Infinite Monkey Cage</p>	<p>Films: Beautiful mind, X&Y, Theory of Everything, Hidden figures, The man who knew infinity, Good Will Hunting, The Imitation Game, The Oxford Murders Listen on Radio 4/Sounds app: More or Less, The Infinite Monkey Cage</p>
Do	<p>UKMT individual and team challenges Maths Feast (year 10) National cypher challenge (Southampton university) Explore the My Maths site – there is more than just homework Cook, following recipes Help with DIY projects at home Games: Uno, Shut the Box, Monopoly Attend Maths Clinic</p>	<p>UKMT individual and team challenges Maths Feast (year 10) Maths Bombe (Southampton university) Explore the My Maths site – there is more than just homework Integral maths on the AMSP site Nrich.maths.org maths but not as you know it in the classroom Play darts – without an electronic score board Attend Maths Clinic</p>
Revision	<p>Mymaths.co.uk Your notes and past tests. Practice questions from school, revision guides Moodle – notes and worked exam questions</p>	<p>Mymaths.co.uk Your notes and past tests. Practice questions from school, revision guides, past papers Web: MadAsMaths, Physics and Maths Tutor, Integral, Kahn Academy</p>