Suggested Reading in Mathematics

Earlier Years – KS3
• Penrose the Mathematical Cat
• The Number Devil – Hans Magnus Enzenberger
• The Murderous Maths series (by the creators of horrible histories)
• YouTube – the numberphile

To Further Develop Interest
• The Simpsons and their Mathematical Secrets – Simon Singh
• Euclid in the Rainforest by Joseph Mazur
• Beating the Odds and How long is a piece of string by Rob Eastaway & John Haigh
• Alex in Numberland by Alex Bellos
• Flatland: A Romance of Many Dimensions by Edwin Abbott Abbott (Also an animated movie released in 2007)
• 17 Equations that Changed the World by Ian Stewart
• Hidden Figures by Margot Less Shetterly – read the book AND watch the film
• From 0 to Infinity in 26 Centures – The Extraordinary Story of Maths – by Chris Waring
• The Number Mysteries – Marcus Du Sautoy
• The Calculus Wars – Jason Bardi
• Short Film – The Love of Calculus based on Goldbach's Conjecture available on YouTube.
• The Poincare Conjecture – Donal O'Shea
• Longitude – Dara Sobel

In addition we include for those interested in taking their mathematical studies further (or just furthering their interest):

Recommended By Cambridge University
• Makers of Mathematics by S. Hollingdale (Penguin, 1989)
• A Russian Childhood by S. Kovalevskaya (trans. B. Stillman) (Springer, 1978, now out of print)
• Alan Turing, the Enigma by A. Hodges (Vintage, 1992)
• The Man Who Knew Infinity by R. Kanigel (Abacus, 1992)
• A Mathematician's Apology by G.H. Hardy (CUP, 1992)
• Littlewood's Miscellany (edited by B. Bollobas) (CUP, 1986)
• The man who loved only numbers by Paul Hoffman (Fourth Estate, 1999)
• Surely You're Joking, Mr Feynman by R.P. Feynman (Arrow Books, 1992)
• Simon Singh. Fermat's Last Theorem (Fourth Estate)
• Singh's later The Code Book (Fourth Estate)
• Marcus du Sautoy. The Music of the Primes (Harper-Collins, 2003)
• Marcus Du Sautoy Finding Moonshine: a mathematician's journey through symmetry
• (Fourth Estate, 2008)
• McLeish Number (Bloomsbury, 1991)

Recommended By Oxford University

- Acheson, David 1089 and All That (2002), The Calculus Story (2017)
- Bellos, Alex Alex's Adventures in Numberland (2010)
- Clegg, Brian A Brief History of Infinity (2003)
- Courant, Robbins and Stewart What is Mathematics? (1996)
- Devlin, Keith Mathematics: The New Golden Age (1998), The Millennium Problems (2004), The Unfinished Game (2008)
- Dudley, Underwood Is Mathematics Inevitable? A Miscellany (2008)
- Elwes, Richard MATHS 1001 (2010), Maths in 100 Key Breakthroughs (2013)
- Gardiner, Martin: The Colossal Book of Mathematics (2001)
- Gowers, Tim Mathematics: A Very Short Introduction (2002)
- Hofstadter, Douglas Gödel, Escher, Bach: An Eternal Golden Braid (1979)
- Körner, T. W. The Pleasures of Counting (1996)
- Neale, Vicky Closing the Gap: the quest to understand prime numbers (2017)
- Odifreddi, Piergiorgio The Mathematical Century: The 30 Greatest Problems of the Last 100 Years (2004)
- Piper, Fred & Murphy, Sean Cryptography: A Very Short Introduction (2002)
- Polya, George How to Solve It (1945)
- Sewell, Michael (ed.) Mathematics Masterclasses: Stretching the Imagination (1997)
- Singh, Simon The Code Book (2000), Fermat's Last Theorem (1998)
- Stewart, Ian Letters to a Young Mathematician (2006), 17 Equations That Changed The World (2012)