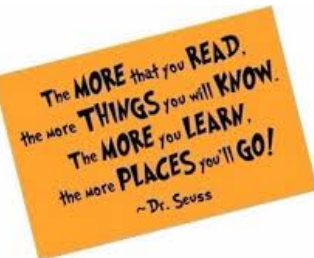


# Maths



## KS3 recommended reads

Author	Title	Brief synopsis*
Malba Tahan	The Man Who Counted: A Collection of Mathematical Adventures	The adventures of Beremiz Samir, <i>The Man Who Counted</i> , take the reader on an exotic journey in which, time and again, he summons his extraordinary mathematical powers to settle disputes, give wise advice, overcome dangerous enemies, and win for himself fame and fortune.
Ian Stewart	How to Cut a Cake and Other Mathematical Conundrums	Here are twenty more curious puzzles and fantastical mathematical stories from one of the world's most popular and accessible writers on mathematics. This is a strange world of never-ending chess games, empires on the moon, furious fireflies, and, of course, disputes over how best to cut a cake.
Norton Juster	The Phantom Tollbooth	This ingenious fantasy centers around Milo, a bored ten-year-old who comes home to find a large toy tollbooth sitting in his room. Joining forces with a watchdog named Tock, Milo drives through the tollbooth's gates and begins a memorable journey. He meets such characters as the foolish, yet lovable Humbug, the Mathemagician, and the not-so-wicked "Which," Faintly Macabre, who gives Milo the "impossible" mission of returning two princesses to the Kingdom of Wisdom..
Jon Scieszka	Math Curse	The nameless student, begins with a seemingly innocent statement by his math teacher- "you know, almost everything in life can be considered a math problem." The next morning, the hero finds himself thinking of the time he needs to get up along the lines of algebra. Next comes the mathematical school of probability, followed by charts and statistics. As the narrator slowly turns into a "math zombie", everything in his life is transformed into a problem.
Lewis Carroll	Through the Looking Glass	Lewis Carroll worked as a mathematician and maths lecturer throughout his life. However, he's best known for his <i>Alice</i> works, which contain many references to mathematical concepts and logic, albeit often much obscured by absurdity. They follow the adventures of a young girl named Alice who finds herself in the bizarre and differently-logical worlds of Wonderland and Looking-Glass Land after either falling down a rabbit hole or climbing through a looking-glass.

\*brief synopsis taken from a range of sources including google books, Amazon, Wikipedia, Goodreads.com, Bookriot.com



KS4 recommended reads

Author	Title	Brief synopsis*
Sylvia Nasar	A Beautiful Mind	At the age of thirty-one, John Nash, mathematical genius, suffered a devastating breakdown and was diagnosed with schizophrenia. Yet after decades of leading a ghost-like existence, he was to re-emerge to win a Nobel Prize and world acclaim. A Beautiful Mind has inspired the Oscar-winning film directed by Ron Howard and featuring Russell Crowe in the lead role of John Nash.
Hans Magnus Enzensberger	The Number Devil: A Mathematical Adventure	In twelve dreams, Robert, a boy who hates math, meets a Number Devil, who leads him to discover the amazing world of numbers: infinite numbers, prime numbers, Fibonacci numbers, numbers that magically appear in triangles, and numbers that expand without.
Jan Gullberg	Mathematics: From the Birth of Numbers	This extraordinary work takes the reader on a long and fascinating journey--from the dual invention of numbers and language, through the major realms of arithmetic, algebra, geometry, trigonometry, and calculus, to the final destination of differential equations, with excursions into mathematical logic, set theory, topology, fractals, probability, and assorted other mathematical byways..
Ian Stewart	From Here to Infinity	Ian Stewart gives math buffs and non-technical readers--as well as students of the subject--the perfect guide to today's mathematics. This challenging and fascinating book includes three new chapters that cover the most recent developments in the mathematics field

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