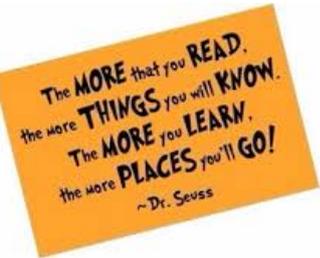


# Science



## KS3 recommended reads

Author	Title	Brief synopsis*
Sarah-Jayne Blakemore	Inventing Ourselves: The Secret Life of the Teenage Brain	A tour through the groundbreaking science behind the enigmatic, but crucial, brain developments of adolescence and how those translate into teenage behavior
Robert C. O'Brien	Z for Zachariah	Nuclear war has devastated America, except for the valley where Ann Burden has been living alone for over a year - until Loomis, a scientist in a radiation-proof suit, arrives. She hopes they will be companions but his behaviour towards her becomes increasingly threatening as he attacks her and then cuts off her food supply and tries to bring her under his control. Although there may be no one else alive, Ann steals his suit and leaves the valley in search of humanity.
Pamela S. Turner	Life on Earth and Beyond	NASA astrobiologist Dr. Chris McKay has searched the earth's most extreme environments on his quest to understand what factors are necessary to sustain life.  Pamela S. Turner offers readers an inside look at Dr. McKay's research, explaining his findings and his hopes for future exploration both on Earth and beyond. Behind-the-scenes photos capture Dr. McKay, his expeditions, and the amazing microbes that survive against all odds.
Louis Haber	Black Pioneers of Science Invention	A readable, perceptive account of the lives of fourteen gifted innovators who have played important roles in scientific and industrial progress
Mark Brake	The Science of Harry Potter	<i>he Science of Harry Potter</i> examines the scientific principles—behind some of your favorite characters, spells, items, scenes, and even games like Quidditch and Wizard's Chess—from boy wizard Harry Potter's world, providing in-depth analysis and scientific facts to support its theories.

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



The **MORE** that you **READ**,  
the more **THINGS** you will **KNOW**.  
The **MORE** you **LEARN**,  
the more **PLACES** you'll **GO!**  
~Dr. Seuss

## KS4 recommended reads

Author	Title	Brief synopsis*
Stephen Hawking	A Brief History of Time	<b>A Brief History of Time</b> , published in 1988, was a landmark volume in science writing and in world-wide acclaim and popularity, with more than 9 million copies in print globally. The original edition was on the cutting edge of what was then known about the origins and nature of the universe
Stephen Hawking	Brief Answers to the Big Questions	As we face potentially catastrophic changes here on Earth - from climate change to dwindling natural resources to the threat of artificial super-intelligence - Stephen Hawking turns his attention to the most urgent issues for humankind.
Bill Bryson	A Short History of Nearly Everything	<i>A Short History of Nearly Everything</i> is his quest to understand everything that has happened from the Big Bang to the rise of civilization - how we got from there, being nothing at all, to here, being us.
Rachel Ignotogsky	Women in Science	A gloriously illustrated celebration of trailblazing women. <i>Women in Science</i> highlights the contributions of fifty notable women to the STEM fields of science, technology, engineering and mathematics, from both the ancient and modern worlds.
Randall Munroe	What If? Serious scientific answers to absurd hypothetical questions	The creator of the incredibly popular webcomic xkcd presents his heavily researched answers to his fans' oddest questions, including "What if I took a swim in a spent-nuclear-fuel pool?" and "Could you build a jetpack using downward-firing machine guns?"
Catherine Reef	Florence Nightingale: The Courageous Life of the Legendary Nurse	This riveting biography explores the exceptional life of a woman who defied the stifling conventions of Victorian society to pursue what was considered an undesirable vocation.
Mark Miodownik	Stuff Matters: Exploring the Marvellous Materials That Shape our Man-Made World	Why is glass see-through? What makes elastic stretchy? Why does a paper clip bend? Why does any material look and behave the way it does? These are the sorts of questions that Mark Miodownik is constantly asking himself in this book.
Christophe Galfard	The Universe in Your Hand: A Journey Through Space, Time, and Beyond	Christophe Galfard's mission in life is to spread modern scientific ideas to the general public in entertaining ways. Using his considerable skills as a brilliant theoretical physicist and successful young adult author, <i>The Universe in Your Hand</i> employs the immediacy of simple, direct language to show us, not explain to us, the theories that underpin everything we know about our universe.

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