



Science Reading List

KS3

Non-fiction

A Galaxy of Her Own: Amazing Stories of Women in Space *by Libby Jackson*

Blue Planet II *by Leisa Stewart-Sharpe, Emily Dove (Illustrator)*

Kay's Anatomy: A Complete (and Completely Disgusting) Guide to the Human Body *by Adam Kay*

Kay's Marvellous Medicine: A Gross and Gruesome History of the Human Body *by Adam Kay*

On the Origin of Species *by Sabina Radeva*

See Inside the Solar System *by Rosie Dickens*

The Body *by Bill Bryson*

The Extraordinary Life of Katherine Johnson *by Devika Jina*

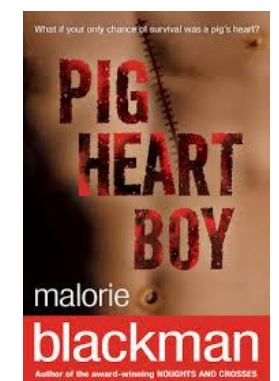
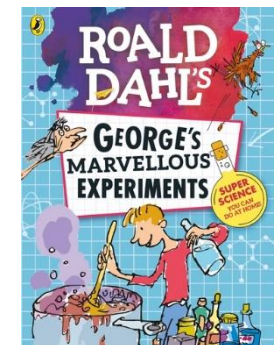
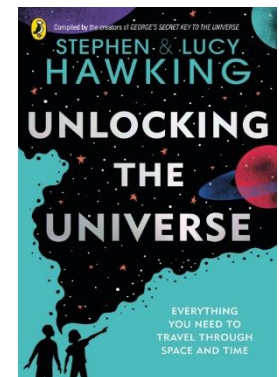
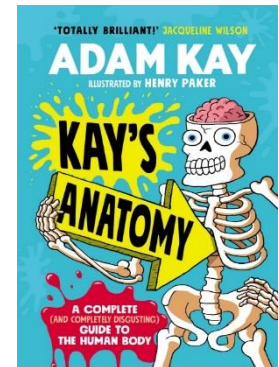
The Extraordinary Life of Neil Armstrong *by Martin Howard*

The Extraordinary Life of Stephen Hawking *by Kate Scott*

The Greatest Show on Earth *by Mini Grey*

The Green Planet *by Leisa Stewart-Sharpe, Kim Smith (Illustrator)*

Unlocking the Universe *by Stephen Hawking, Lucy Hawking*



Fiction

A Rag, a Bone and a Hank of Hair *by Nicholas Fisk*

A Suspiciously Simple History of Science and Inventions *by John Farman*

Contagion *by Terri Terry*

George’s Marvellous Experiments *by Roald Dahl*

Hybrids *by David Thorpe*

Journey to the Centre of the Earth *by Jules Verne*

Larklight Trilogy *by Philip Reeve*

Pig-Heart Boy *by Malorie Blackman*



KS4

Non-fiction

Bad Science *by Ben Goldacre*

Cosmos *by Carl Sagan*

Diagnosis: Solving the Most Baffling Medical Mysteries *by Lisa Sanders*

Francis Crick: Discoverer of the Genetic Code *by Matt Ridley*

Life Lessons from a Brain Surgeon *by Dr Rahul Jandial*

Storm in a Teacup: The Physics of Everyday Life *by Helen Czerski*

The Ancestor’s Tale *by Richard Dawkins*

The Body *by Bill Bryson*

The Elements: A Visual Exploration of Every Known Atom in the Universe *by Theodore Gray*

The Diversity of Life *by E.O. Wilson*

The Gene *by Siddhartha Mukherjee*

The Selfish Gene *by Richard Dawkins*

The Story of the Human Body: Evolution, Health and Disease *by Daniel Lieberman*

The Way Things Work Now *by D. Macauley*

Thing Explained: Complicated Stuff in Simple Words *by Randall Munroe*

Unweaving the Rainbow *by Richard Dawkins*

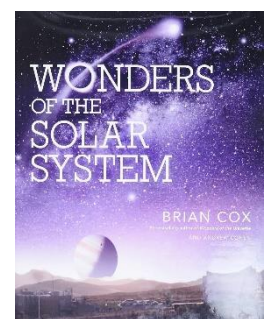
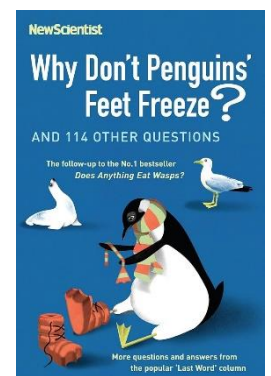
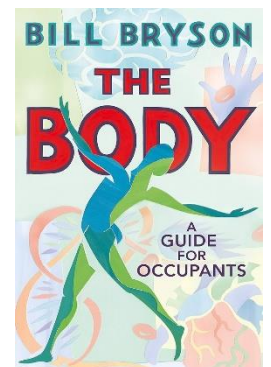
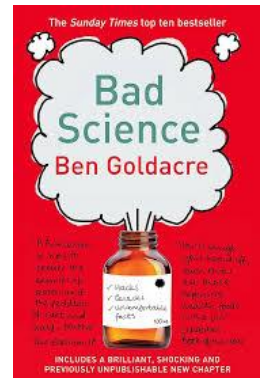
What If? *by Randall Munroe*

Why Don’t Penguins Feet Freeze? *by Mick O’Hare*

Women in Science: 50 Fearless Pioneers Who Changed the World *by Rachel Ignotofsky*

Wonders of the Solar System *by Brian Cox*

Y: The Descent of Men *by Steve Jones*



Fiction



Aurora Rising by Amie Kaufmann and Jay Kristoff

Decimation by Marissa Cantrell-Rodriguez

Green Rising by Lauren James

Monstrous Devices by Damien Love

Nemesis by Brendon Reichs

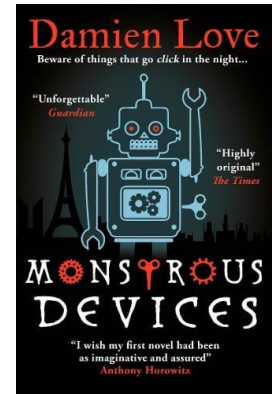
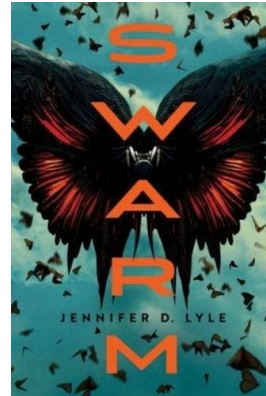
Passenger by Alexandra Bracken

Swarm by Jennifer Lyle

The Hitchhiker’s Guide to the Galaxy by Douglas Adams

Uglies by Scott Westerfield

War of the Worlds by HG Wells



KS5

Biology Reading:

50 Genetic Ideas You Really Need to Know by Mark Henderson

Creation: The Origin of Life by Adam Rutherford

Darwin's Dangerous Idea by Daniel Dennett

Genome by Matt Ridley

Language of the Genes and Almost Like a Whale by Steven Jones

Life Ascending by Nick Lane

Maths Skills for A level Biology

Nature Magazine

The Chemistry of Life by Steven Jones

The Revenge of Gaia by James Lovelock

The Selfish Gene and The Extended Phenotype by Richard Dawkins

The Wisdom of the Genes by Christopher Wills

Virolution by Frank Ryan

Zoobiquity by Barbara Natterson-Horowitz and Kathryn Bowers

Websites:



www.arkive.org

<https://ed.ted.com/lessons?category=science-technology>

www.thenakedscientists.com

www.nuffieldfoundation.org/practical-biology

www.youtube.com/user/thehealthcaretriage

Chemistry Reading:

Chemistry *by Zach Brock*

Chemistry for Changing Times *by John Hill, Terry McCreary and Doris Kolb*

Materials Science *by E. N. Ramsden*

Maths Skills for A Level Chemistry *by Emma Poole*

New Scientist Magazine

Principles of Biochemistry *by Abraham White, Philip Handler and Emil Smith*

RSC Magazine (requires subscription)

The Disappearing Spoon *by Sam Kean*

The Periodic Kingdom *by P. W. Atkins*

Websites:

www.chemguide.co.uk

www.thenakedscientists.com

www.newscientist.com

www.physicsandmathstutor.com/chemistry-revision

www.rsc.org

Physics Reading:

50 Physics Ideas You Really Need to Know *by Joanne Baker*



About Time by Adam Frank

How to Teach Quantum Physics to your Dog by Chad Orzel

Hyperspace Marauder by Lo Khan

In Search of Schrodinger's Cat and In Search of the Multiverse by John Gribben

Maths Skills for A Level Physics

Surely You're Joking Mr Feynman by Richard Feynman

The Particle at the End of the Universe by Sean Carroll

The Physics of the Impossible by Michio Kaku

The Quantum Universe by Brian Cox and Jeff Forshaw

The Trouble with Physics by Lee Smolin

Websites:

www.isaacphysics.org

www.physicsandmathstutor.com

www.thenakedscientists.com

www.newscientist.com

www.rigb.org/christmas-lectures