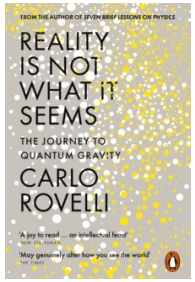
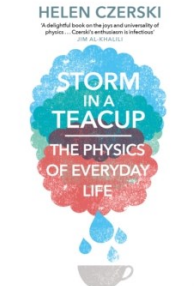


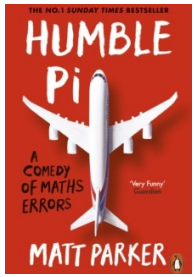
Reality Is Not What It Seems by Carlo Rovelli

What are time and space made of? How has our image of the world changed through time?



Storm in a Teacup by Helen Czerski

Each chapter begins with something small - coffee stains and fridge magnets - and uses it to explain scientific concepts.



Humble Pi by Matt Parker

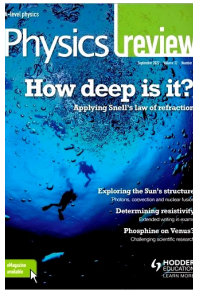
What makes a bridge wobble when it's not meant to, or a building rock when an entire gym class jumps at once?

Stuff Matters by Miodownik

Everything is made of something, from the tea-cup to the jet engine, the silicon chip to the paper clip.

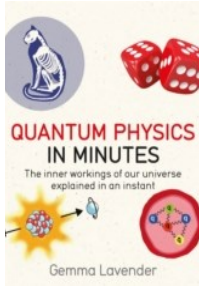
Thing Explainer by R. Munroe

Complicated stuff explained using only the 1000 most commonly-used words.



Physics Review by Hodder

A quarterly magazine written by experts, designed especially for A Level students.

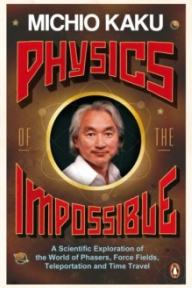


Quantum Physics in Minutes by G. Lavender

Contents include: the Higgs boson, black holes, Heisenberg's uncertainty principle, Schroedinger's cat, and string theory.

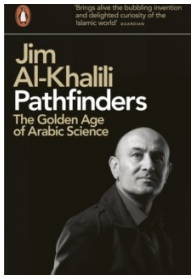
A Brief History of Time by Stephen Hawking

A classic. Was there a beginning of time? Is the universe infinite or does it have boundaries?



Physics of the Impossible by Michio Kaku

From cyborgs, aliens and antimatter to telepathy and invisibility, this book is an exciting look at how science fiction could soon become fact.



Pathfinders by J. Al-Khalili

A history of the golden age of Arabic Science.

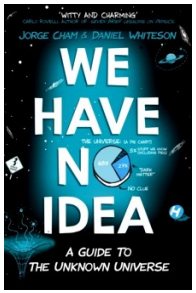
Physics

Wider Reading

All these books are available from the school library

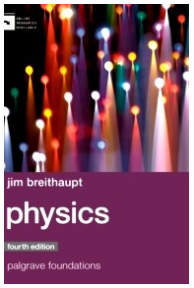
The End of Everything by Mack

We know the universe had a beginning. But what happens at the end? The Big Crunch, Heat Death, Vacuum Decay, the Big Rip or the Bounce?



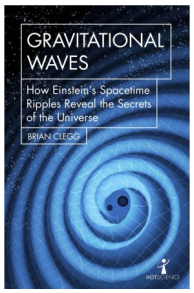
We Have No Idea by Jorge Cham and Daniel Whiteman

A witty and light-hearted exploration of all the many complicated things about the universe that we know nothing about (yet).



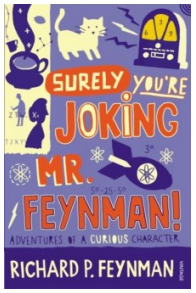
Physics by Jim Breithaupt

A foundation textbook with worked examples, including electromagnetism, nuclear physics, advanced mechanics and thermodynamics.



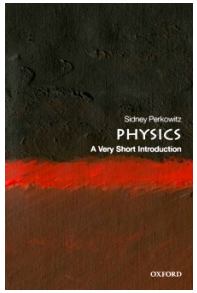
Gravitational Waves by B.Clegg

Detecting gravitational waves promises much for the future of astronomy — how do we do it, and what does it mean?



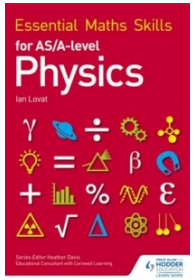
Surely You're Joking Mr Feynman by Richard P. Feynman

A collection of anecdotes and ideas from one of the most idolised communicators of Physics.



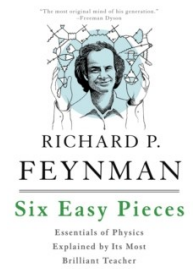
Physics: a Very Short Introduction by S. Perkowitz

Presents pure and applied physics from the Greek philosophers to modern quantum mechanics.



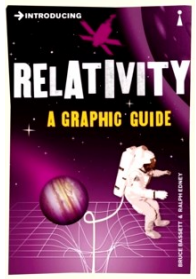
Essential Maths Skills for A Level Physics by Lovat

Improve your skills for the mathematical aspects of the Physics course.



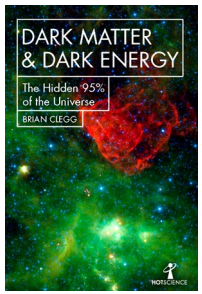
Six Easy Pieces by Feynman

Feynman's core, classic lessons on the basics: atoms, energy, gravitation, quantum mechanics, and the relationship of physics to other subjects.



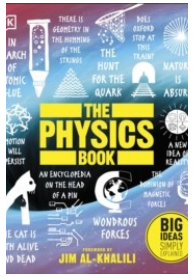
Introducing Relativity: a Graphic Guide by B. Bassett

A comic-style graphic account of Albert Einstein's ideas and legacy.



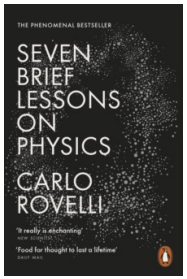
Dark Matter & Dark Energy by B.Clegg

A clear introduction to the mysterious phenomena that could unlock the secrets of the universe.



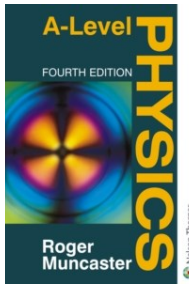
The Physics Book by DK

An easy-to-follow overview of the field, tackling tricky topics with clarity.



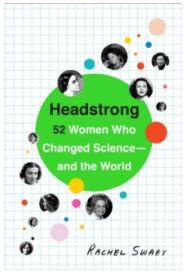
Seven Brief Lessons on Physics by Carlo Rovelli

A short but insightful overview of modern physics: general relativity, quantum mechanics, black holes, the complex architecture of the universe, elementary particles, gravity, and more.



A-Level Physics by Muncaster

A substantial, in-depth textbook covering all the essentials in detail.



Headstrong by Rachel Swaby

Fifty-two inspiring and insightful profiles of history's brightest female scientists.

The New Scientist magazine

The defining publication for anyone interested in modern and developing science.

Available to read online for free via Hertfordshire Public Libraries.