



SWGS KS5 READING LIST: PHYSICS

The purpose of this reading list is to encourage students to read, enjoy and learn beyond the taught curriculum. You can use the resources here to support and to enrich your learning.

Essential

A Level Physics for OCR A

Graham Bone, Gurinder Chadha, Nigel Saunders

You will be issued with a copy of the textbook. Reading the relevant chapters as you study new topics is essential. Relevant pages are indicated on your learning overview.

Extension

physicsworld

To keep up with the current ideas in Physics and developments beyond the curriculum

Magazine – Physics World <https://physicsworld.com/p/magazine/>

The LRC has a subscription

For extra reading, directly supporting your exam specification, try the Physics Review magazine.

You can subscribe through the school at a discounted price and a copy will be in the LRC

Physics Review

ingenia

For engineering specific interest:
<http://www.ingenia.org.uk/ingenia>

The LRC has a subscription

There is also a whole range of popular science books with a Physics twist you could read...this is by no means an exhaustive list!

In Search of Schrodinger's Cat
Deep Simplicity
The Elegant Universe
The Fabric of the Cosmos
Quantum
Paradox
Chaos
Dreams of a Final Theory
Electric Universe
Emperor's New Mind
The Road to Reality
Surely, You're Joking Mr Feynman!
A Brief History of Time
Wonders of the Solar System
Why does $E=mc^2$
Galileo's daughter
Invention by Design
Number: the language of science
The Great Equations
The Cosmic Onion

John Gribbin
John Gribbin
Brian Greene
Brian Greene
Jim Al Khalili
Jim Al Khalili
James Gleick
S.Weinberg
David Bodanis
Roger Penrose
Roger Penrose
R.P.Feynman
Stephen Hawking
Brian Cox
Brain Cox
Dava Sobel
Henry Petroski
Tobias Dantzig
Robert P Crease
Frank Close