

## Fiction



**172 Hours on the Moon** by Johan Harstad

A 40 year anniversary trip of a lifetime to the moon organised by NASA turns sinister for 3 teenager competition winners.



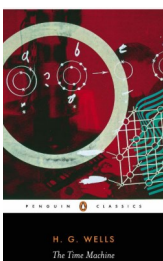
**One Small Step** by P B Kerr

The story of the secret mission that landed a boy and two chimps on the moon months before Neil Armstrong.



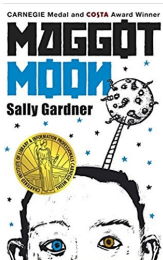
**How to Stop Time** by Matt Haig

History teacher Tom has been alive for centuries. As long as he keeps changing his identity he can keep one step ahead of the past and stay alive, unless of course he falls in love.



**The Time Machine** by H G Wells

Travelling to the future to find out the destiny of mankind, the time travellers enchantment turns to horror as he discovers another sinister race descended from humanity.



**Maggot Moon** by Sally Gardner

Dystopian 1950's England, and the regime is preoccupied with being the first country to land a man on the moon—or so it seems. Standish and his grandfather take the regime on!

## Websites

- [www.iop.org](http://www.iop.org)
- [www.physicsworld.com](http://www.physicsworld.com)
- [www.newscientist.com](http://www.newscientist.com)
- [www.physics.org](http://www.physics.org)
- [www.particleadventure.org](http://www.particleadventure.org)
- [www.pmsutter.com](http://www.pmsutter.com)
- [www.feynmanlectures.caltech.edu/](http://www.feynmanlectures.caltech.edu/)

## Podcasts & YouTube

- **5 Live Science** —Dr Karl, plus Naked Scientists Chris Smith and Kat Arney with the hottest science news stories and analysis.
- **BBC Radio 4 The Infinite Monkey Cage**—Witty, irreverent look at the world through scientists' eyes, with Brian Cox and Robin Ince.
- **YouTube**—Richard Feynman Six Easy Pieces lectures.
- **Physics by the river** — A former Ridgeway student giving insight into studying physics at University.

## Inspiration

“The nitrogen in our DNA, the calcium in our teeth, the iron in our blood, the carbon in our apple pies were made in the interiors of collapsing stars. We are made of star stuff.”

**Carl Sagan**

Learning Resource Centre 2023/24

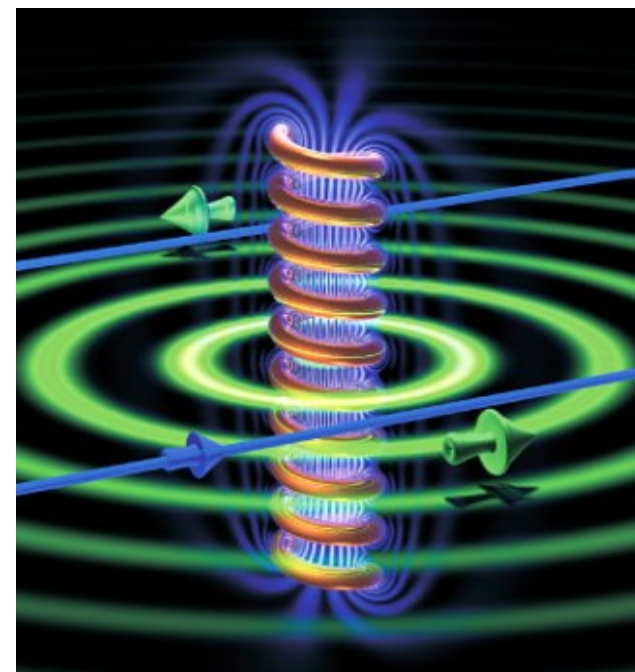


## PHYSICS

**SUBJECT RESOURCES FOR R6 STUDENTS**

All available from the

**LEARNING RESOURCE CENTRE**



Learning Resource Centre 2023/24

# Non-Fiction

Books you may find useful to broaden your

Physics knowledge will be found in all libraries under the following Dewey Decimal numbers:

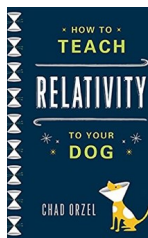
**General Science:** 500

**Astronomy:** 520

**Mathematics:** 510

**Engineering:** 620

**Physics:** 530



**How to Teach Relativity to Your Dog** by Chad Orzel

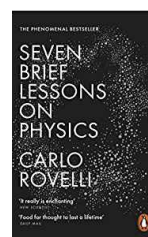
Orzel and his dog Emmy, tackle in a unique fashion, the concepts and complexities of Einstein's theories. **530**



**Six Easy Pieces** by Richard P Feynman

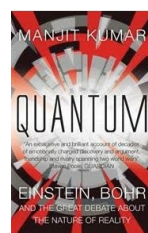
Delve into this series of lectures by iconic physicist Feynman on gravity, conservation of energy and basic quantum theory. **530**

\* Taught Mr Kench all he knows!



**Seven Brief Lessons on Physics** by Carlo Rovelli

A modern and philosophical take on physics today. Quick and easy to read. **530**



**Quantum** by Manjit Kumar

A novel narrating the history of the quantum, and the divisive debate at its core. **530**



**Moondust: in search of the men who fell to Earth** by Andrew Smith

A brilliant book about the few men who once stood on the moon. **629**

\*Mr Fletcher's top pick!

# School Information

**Exam Board: OCR Physics A**

**Subject Leader: Mr P Kench**

Minimum grade required: GCSE grade 6 in Physics and another Science or 6-6 in Combined Science, and grade 6 in Maths. Students must also study A-level Mathematics alongside.

# Magazines & Periodicals

You may wish to consider subscribing to :



**New Scientist**

Covers current developments, news, reviews and commentary on science and technology.



**Physics Review**

Articles in each issue explore physics in situations ranging from everyday applications to frontier research.



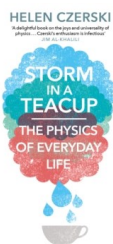
**Physics World**

Features from the world's leading physicists and science writers, as well as comprehensive news and analysis.

\* Mr Kench has copies—ask to borrow.

**Storm in a Teacup** by Helen Czerski

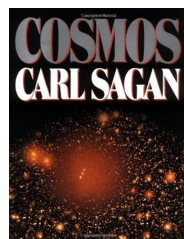
Exploring the patterns and connections that illustrate the grandest physical theories in the smallest everyday objects and experiences. Linking what makes popcorn pop to Antarctic winds, coffee stains to blood tests or ketchup bottles to aliens in space. **530**



**Cosmos** by Carl Sagan

Sagan explores 15 billion years of cosmic evolution and the development of science and civilization. **523**

\* Mr Fletcher's top pick!



**In Search of Schrodinger's Cat** by John Gribbin

A gripping account of the history of quantum mechanics and a clear description of its significance. **530**

