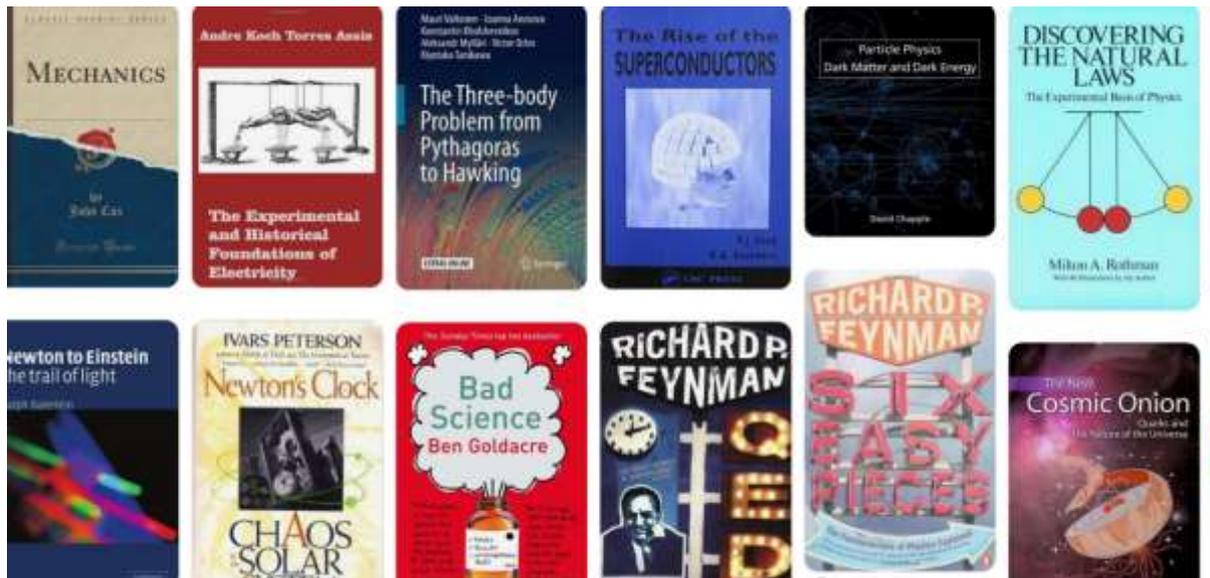




# KING EDWARD VI CAMP HILL SCHOOL FOR BOYS

## Supercurricular Physics

### Key Stage 5



**KS5 Physics**

**Reading lists:**

Vibrations and Waves (Manchester Physics Series)

by George C. King

Quantum Physics for Beginners: From Wave Theory to Quantum Computing. Understanding How Everything Works by a Simplified Explanation of Quantum Physics and Mechanics Principles

by Carl J. Pratt

Feynman's Lost Lecture: The Motions of Planets Around the Sun Paperback – 1 May 1997

by David L Goodstein (Author), Judith R Goodstein (Author)

Professor Povey's Perplexing Problems: Pre-University Physics and Maths Puzzles with Solutions Paperback – Illustrated, 7 May 2015

by Thomas Povey (Author)

In Search Of Schrodinger's Cat: Updated Edition Paperback – 15 Feb. 1985

by John Gribbin (Author)

Relativity Visualized: The Gold Nugget of Relativity Books Paperback – 1 Mar. 1985

by Lewis Carroll Epstein (Author)

Particle Physics: A Very Short Introduction: 109 (Very Short Introductions) Paperback – Illustrated, 13 May 2004

by Frank Close (Author)

The Road to Reality: A Complete Guide to the Laws of the Universe Paperback – 1 Jan. 2005

by Roger Penrose

Just Six Numbers (SCIENCE MASTERS) Paperback – 16 Aug. 2001

by Sir Martin Rees

The First Three Minutes: A Modern View Of The Origin Of The Universe Paperback – Illustrated, 18 Aug. 1993

by Steven Weinberg

***Podcast and Radio programs:***

Quanta Science Podcast

The Infinite Monkey Cage

DrBry The Physics Guy Podcast

Daniel and Jorge Explain the Universe

Daniel and Jorge Explain the Universe

The Field Guide to Particle Physics

Quirks & Quarks

The Supermassive Podcast

## **Websites:**

### Universe and More

Interactive physics games created by an AP physics teacher.

### ShareMyLesson

Hosted by ShareMyLesson, this site provides almost 2000 physics resources, including activities, worksheets, games, lesson plans, puzzles, posters, presentations, assessments and other ideas for you to use with your high school students.

### PhysLink.com

The PhysLink.com is a comprehensive physics and astronomy online education, research and reference web site. In addition to providing high-quality content, PhysLink.com is a meeting place for professionals, students and other curious minds.

### The Physics Classroom

The Physics Classroom Tutorial is an online physics tutorial written for high school physics students. The Tutorial covers basic physics topics using informative graphics and an easy-to-understand language. Each unit is broken up into lessons and sub-lessons.

### The Particle Adventure

An award winning interactive tour of quarks, neutrinos, antimatter, extra dimensions, dark matter, accelerators and particle detectors from the Particle Data Group of Lawrence Berkeley National Laboratory.

### Einstein Online

Einstein Online is a web portal with information about Albert Einstein's theories of relativity and their coolest applications, from the smallest particles to black holes and cosmology.

### ComPADRE Digital Library

The ComPADRE Digital Library is a network of free online resource collections supporting faculty, students, and teachers in Physics and Astronomy Education.

### ***Youtube Channels to follow***

3Blue 1Brown

Two Minute Papers

Minutephysics

Khan Academy

World Science Festival

DrPhysicsA

AsapSCIENCE

CGP Grey

SciShow

Veritasium

Vsauce

Spark

The Royal Institution