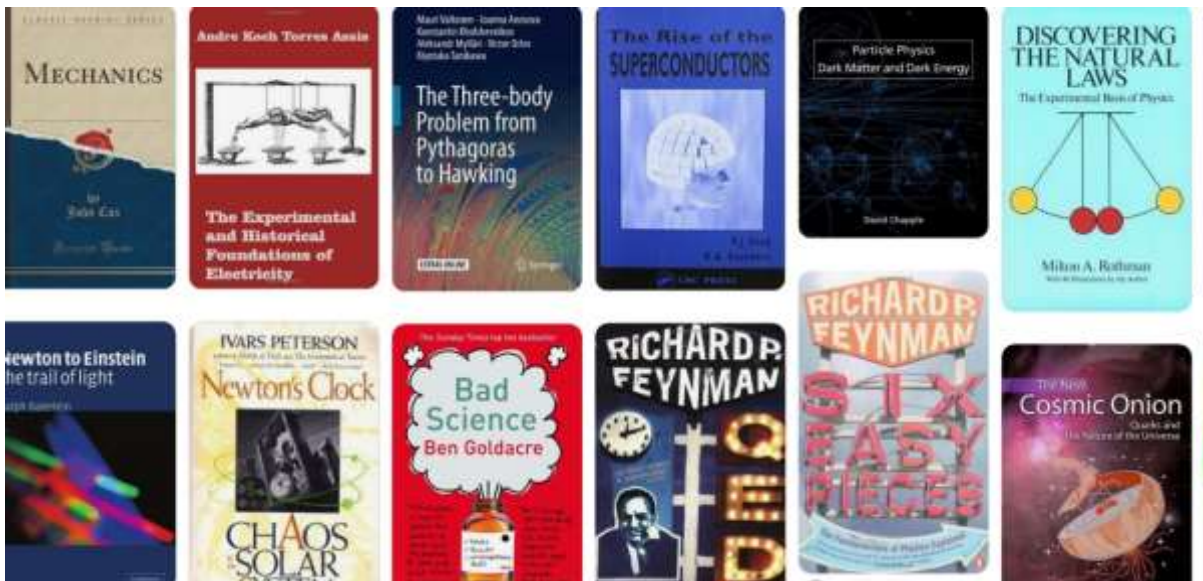




# KING EDWARD VI CAMP HILL SCHOOL FOR BOYS

## Supercurricular Physics

### Key Stage 4



**KS4 Physics**

**Reading lists:**

Radioactive!: How Irène Curie and Lise Meitner Revolutionized Science and Changed the World  
by Winifred Conkling

The Story of Science: Newton at the Center: Newton at the Center  
by Joy Hakim

The Way Things Work  
by David Macaulay

A Short History of Nearly Everything  
by Bill Bryson

I am Albert Einstein  
By (author) Brad Meltzer , Illustrated by Christopher Eliopoulos

Unlocking the Universe  
by Stephen Hawking, Lucy Hawking

Large Hadron Collider Pop-Up Book  
by Anton Radevsky & Emma Sanders

Gravity  
By (author) Jason Chin

***Podcast and Radio programs:***

DrBry The Physics Guy Podcast

The Finding Physics Podcast

The Science of Everything Podcast

Physics Alive

***Websites:***

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.

PhET Interactive Simulations

PhET Interactive Simulations is an ongoing effort to provide an extensive suite of simulations to improve the way that physics, chemistry, biology, earth science and math are taught and learned. The simulations are interactive tools that enable students to make connections between real life phenomena and the underlying science that explains such phenomena.

Physics is Phun

Physics is Phun lists websites for teachers that provide a variety of interactive simulations, experiments and ideas—all designed to help students better understand the underlying concepts of physics.

***Youtube Channels to follow:***

Two Minute Papers

Minutephysics

Khan Academy

World Science Festival

DrPhysicsA

AsapSCIENCE

CGP Grey

Jason Silva: Shots of Awe

It's Okay To Be Smart

Cool Worlds

Kurzgesagt – In a Nutshell

Institute of Physics

BBC Ideas