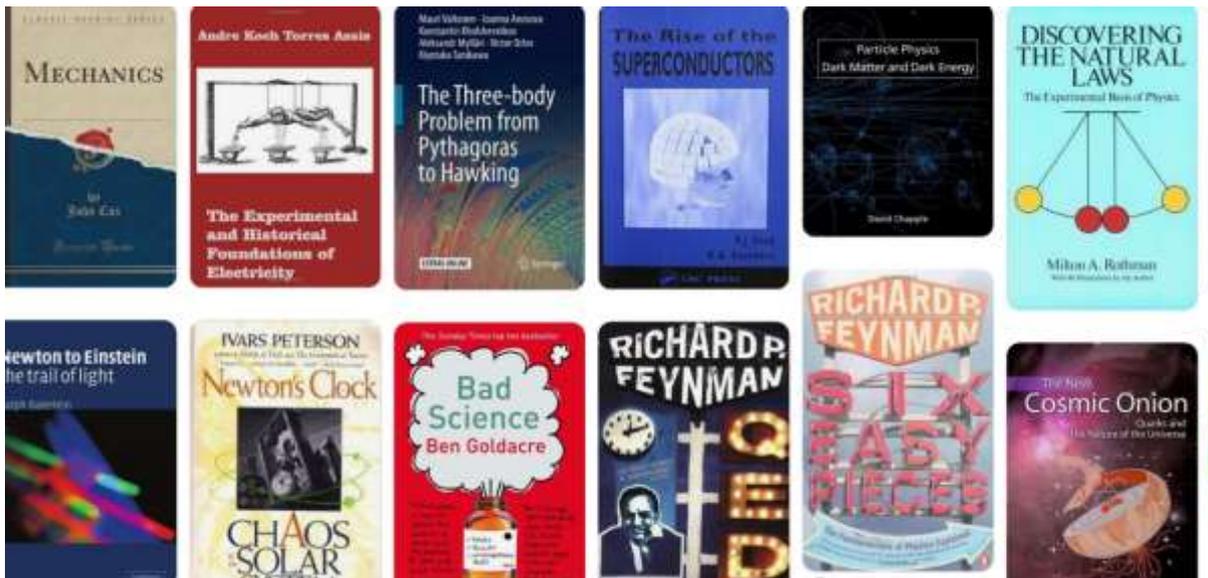




KING EDWARD VI CAMP HILL SCHOOL FOR BOYS

Supercurricular Physics

Key Stage 3



KS3 Physics

Reading lists:

The Physics Book: Big Ideas Simply Explained

by DK, Jim Al-Khalili

Thing Explainer: Complicated Stuff in Simple Words

by Randall Munroe

The Right Stuff Paperback – 4 Mar. 2008

by Tom Wolfe

Six Easy Pieces: Essentials of Physics Explained by Its Most Brilliant Teacher Paperback – 22 Mar. 2011

by Matthew Sands (Author), Richard Feynman (Author), Robert Leighton (Author)

Nuclear Physics for Babies

By Cara Florance , Chris Ferrie

Mr. Ferris and His Wheel

By (author) Kathryn Gibbs Davis , Illustrated by Gilbert Ford

Astrophysics for Young People in a Hurry

By (author) Neil Degrasse Tyson , With Gregory Mone

A Black Hole Is Not a Hole

By (author) Carolyn Cinami DeCristofano , Illustrated by Michael Carroll

Podcast and Radio programs:

Physics World Weekly Podcast

The Titanium Physicists Podcast

StarTalk (Hosted by: Neil deGrasse Tyson)

Websites:

Newton's Laws of Motion and Car Physics

This resource, entitled Newton's Laws of Motion and Car Physics, provides a large amount of interesting educational material on each of the Three Laws.

Institute of Physics

Experiments can sharpen students' powers of observation, stimulate questions, and help develop new understanding and vocabulary. This website is for teachers of physics, enabling them to share their skills and experience of making experiments work in the classroom.

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:

CrashCourse

Numberphile

SciShow

Two Minute Papers

Minutephysics

Khan Academy

World Science Festival

Cool Worlds

Kurzgesagt – In a Nutshell

Institute of Physics

BBC Ideas