

What can students do to develop their skills in Physics?

If you're struggling at any point, come along to the **A-level Physics surgery, every Wednesday after school**, in R 91.

Use the GCSE Physics Kerboodle textbook to do relevant revision at the start of a new topic

Use the A-level textbook on Kerboodle to complete Summary questions and check your answers with those at the back of the book.

Use resources on <https://hinchibrooke.sharepoint.com/sites/KS5physics> to go over content delivered in lessons

Keep notes/resources/ homework organised

Complete the Private Study booklets for each topic

Complete each assessed HW and file with the end of topic test

Complete past papers and check mark schemes [AS and A Level - Physics A - H156, H556 \(from 2015\) - OCR](#)

Suggested Reading

Physics Review Magazine held in the Library - articles on interesting and current topics

New Scientist magazine

CGP Physics Revision Guide - OCR A

The Elegant Universe – Brian Greene

A Brief History of Time – Stephen Hawking

Black Holes, Wormholes and Time Machines – Jim Al-Khalili

Lecture and videos

Useful YouTube channels: Z Physics [ZPhysics - YouTube](#); Physics Online [Physics Online - YouTube](#); Kit Betts-Masters [Kit Betts-Masters - YouTube](#); Khan Academy [Khan Academy - YouTube](#)

Fun, educational channels: Smarter Every Day, Mark Rober, Veritasium

The Institute of Physics have events which are open to all members of the public. [Events | Institute of Physics \(iop.org\)](#)

The Royal Institution also have talks, lectures and other events. [Our talks and events](#)
[| Royal Institution \(rigb.org\)](#)

The University of Cambridge hold open lectures, aimed at 6th Form students, many of which are available to watch online
<https://outreach.phy.cam.ac.uk/programme/cpc>

Websites to support the curriculum

<https://www.physicsandmathstutor.com/physics-revision/>

<http://hyperphysics.phy-astr.gsu.edu>

<https://isaacphysics.org>

<https://brilliant.org/courses/physics-everyday>

How can parents and carers help and what can be done at home?

Encourage students to participate in work experience that broadens scientific experience e.g. Nuffield placements, local engineering firms

Purchase revision guide - OCR A

Encourage students to help with KS3 science club or even support in lower school science lessons

Ensure a good school/work/life balance