



A Level Physics

Pre-course work



Pre-course expectations

Success in Sixth Form is largely a function of the amount and quality of independent study you carry out; here's a chance to help you get the very best start to your course. We would like you to complete the work described below and hand it in to your teacher in your first lesson in September. If you have made a late change to your timetable, please complete this work within the first week of starting the course. The work should take you 2-3 hours.

Details of pre-course work

We would like you to go hunting for a news item / report / book or similar about a Physics topic that interests you. Engaging in wider reading is known to be very beneficial for one's studies. Complete the following headings and be prepared to chat about the item at the beginning of term.

- Topic/ Title / News Item
- Where you initially read it and date it was written
- Summarise the topic / item / issue in 200-400 words
- Why does this interest you?
- Are there other sources that support the content / contradict it?

Resources to help you with this work

We would recommend the following sites, but the internet is a big place, follow your own leads!

<https://www.youtube.com/@veritasium>
<http://www.ted.com/>
<http://www.britishscienceassociation.org/>
<http://www.nasa.gov/>
<http://home.web.cern.ch/>
<http://www.ogdentrust.com/>

ICC is part of an Ogden Trust Partnership.

<https://www.iop.org/#gref>

We are affiliated with the Institute of Physics too.

Stretch yourself

"Reading around" is just a good thing, and can't be emphasised enough. Start with the sites opposite, or wherever your interest takes you.

Buy a book on Quantum Theory, Relativity, Black holes, or... there are many, all are interesting and may change the way you think forever! Choose carefully though; some can be heavy going, look for those aimed at a wide audience.

The much publicised books by Stephen Hawking and Brian Cox are also good.