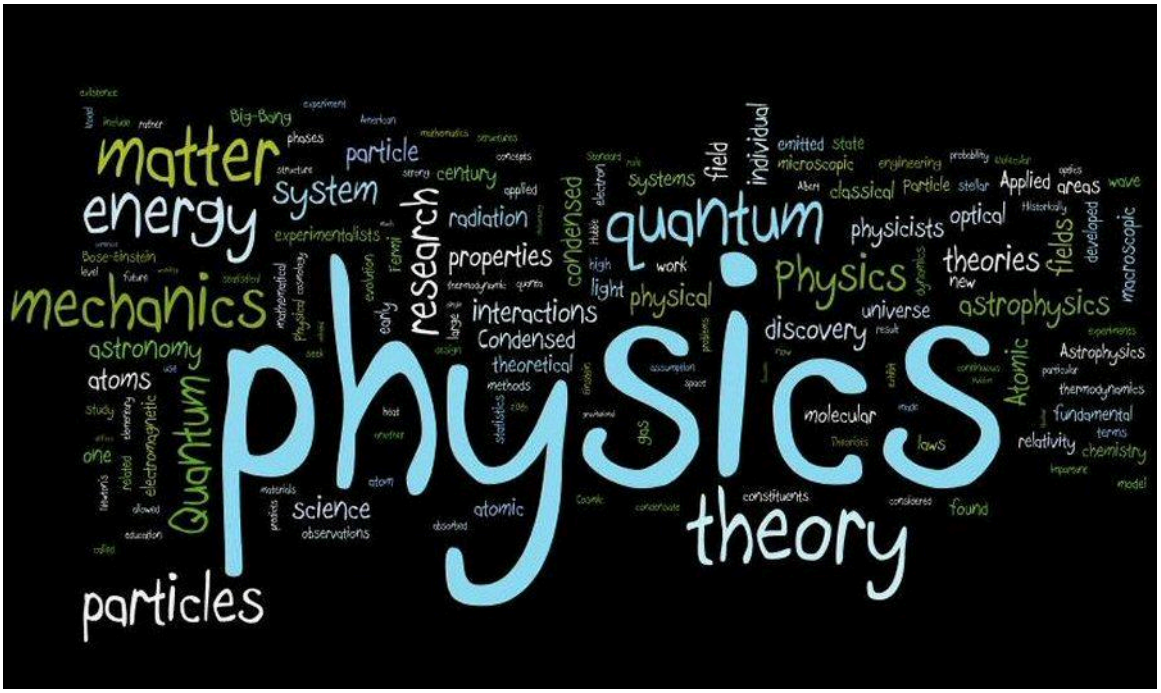
Physics wider reading



Welcome to A-Level Physics. Your eyes are about to open to wonder in the world around us and the vital role that physics plays in this. One of the vital attributes required to be successful in Physics is curiosity, curiosity with hard work will ensure that you achieve well on this course. It is important, in a field as vast as Physics, to read around the subject, failure to do so will put you behind all other students around the country. To help get you started you are tasked with reading one (or more) 'popular science' reading book, below is a list of suggestions:

1. Human Universe – Brian Cox
2. Surely you're joking Mr Feynman! – Richard P. Feynman
3. How to teach quantum physics to your dog – Chad Orzel
4. In search of Schrodinger's cat – John Gribbin
5. Why does $E=mc^2$ – Brian Cox and Jeff Forshaw

To assess this work we will ask you to do a viva, a spoken book report, in one of the first lessons back. Communication is as important as curiosity in Physics, as great ideas need to be communicated well. As part of the viva you should consider the following points:

- A summary of the book (what did it cover)
- Why you selected that title
- What were the most challenging concepts/ideas in the book?
- Were any good analogies used, within the text, to help with understanding?
- What did you do to overcome difficulty in understanding e.g. any further reading online?
- Has the book encouraged you to read any other titles? If so which and why?