

Physics Summer work

Summer Work: Progression from GCSE to A Level

Physics: Most of the A Level content builds on the topics already introduced at GCSE. Study the document, GCSE to A-level Transition, which outlines the bridge between the two courses.

The topics at A-level build on knowledge gained at GCSE. Complete the document RAG Rating to self-assess your knowledge of each topic. Use the websites recommended below for any topic you have rated as red.

Remember: Most topics in GCSE Physics will be studied in greater depth at A Level.

Books

The required text book for year 12 is **AQA A Level Physics: A Level Year 1 and AS Book 1** (ISBN: 9781471807732)

The recommended revision book is CGP Revision and Practice textbook (ISBN: 9781789080322).

You will also need to purchase a bound, hard cover A4 notebook for recording the required practicals. These will be available on the S6C website to purchase for £1.50. This book must be brought to your first Science lesson.

Essential equipment: Scientific calculator, 30cm ruler, HB pencil, pencil sharpener.

Websites

Excellent tuition and exam techniques for GCSE and A-level: [Physics Online](#), [Science Shorts](#), [Gorilla Physics](#),

These channels will give you an insight into the course content and provides excellent exam techniques and answers.

[TED talks](#) presents some intriguing talks on Science which will help broaden your Science knowledge.

Inspirational Physicists: Watch Youtube interviews with Richard Feynman. You will study aspects of his work in year 12. Here is a video clip of him discussing magnets with a non-scientist interviewer:

<https://www.youtube.com/watch?v=36GT2zI8IVA>

Journals

The New Scientist and Nature both cover all aspects of the sciences. Both of these have published magazines to buy at newsagents and online versions.