

## Physics Summer Induction work

### Journals

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

### Books

The required text book for year 12 is **AQA Physics: A Level Year 1 and AS** (ISBN: 978-0-19-835186-3).

There is a combined year 12 and 13 text book, **AQA Physics: A Level** (ISBN: 978-0-19-835187-0) that covers all the A-level but it is a thick book you may not want to bring to college every day.

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. This 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=36GT2zI8lVA>

### Progression from GCSE

Physics: Most of the A Level content builds on the topics already introduced at GCSE.

Study this article, [GCSE to A-level progression](#), which outlines the bridge between the two courses.

The topics at A-level build on knowledge gained at GCSE. Download the documents on the following link and rate (red/amber/green) your knowledge of each topic. Use the websites recommended earlier for any topic you have rated as red. (Note: A subscription-free log-in to TES website is required)

Knowledge audit:

<https://www.tes.com/teaching-resource/aqa-revision-rag-sheets-by-section-p1-16-12097151>

If you have any questions please email [cpapp@salisbury6c.ac.uk](mailto:cpapp@salisbury6c.ac.uk)