



Year 9

Department of Physics

OVERVIEW

Skills Developed

- Knowledge and understanding of science and how science works.
- Application of skills knowledge and understanding
- Practical, enquiry and data-handling skills.
- Problem solving skills.
- Group work, research and presentation skills.

Topics covered

Terms 1 - 2:

P1: Matter – including the particle model, changes of state and pressure.

Terms 2 - 3:

P5: Waves in Matter – including wave behaviour, the electromagnetic spectrum and wave interaction.

How we assess your daughter's progress

- 2 Mid topic tests on Matter and an end of topic test on P1
- Half way through waves there will be end of year exams on P1 and P5 covered till then.

How we support and develop your daughter

Support Material:

- Textbook – Students will have access to OCR Gateway GCSE Physics by Helen Reynolds via the Oxford University Press online service (Kerboodle)
- Students will be provided 'Do it now' booklets as retrieval practise which will be used in the beginning of every lesson.
- Students will also be provided with resource booklets and exam workbooks including practise questions and the required Practical Activity Group (PAG) for each topic covered.

How you can help your daughter

- Encourage students to practise past questions regularly as part of their revision.
- Encourage awareness of science in the wider world through discussion and the use of a range of media. Students may find the Minute Physics, Veritasium and Sixty Symbols YouTube channels helpful.
- Ensure that your daughter has the opportunity to successfully carry out practical activities to develop her manipulative skills. Following a recipe to cook a meal, including the accurate measurements of masses and volumes, and consideration of cooking times and temperatures, is an excellent example.