

SJWMS

L1.2 Edexcel GCE Physics – Course Structure

Teaching

- There will be 3 sets
- Each class has 10 lessons per fortnight in total.
- Each student has 2 teachers and the course is split between teachers (Paper 1 and Paper 2)
- The final exam has a 3rd paper which covers work from both sides of the course.

Practical Work

- 8 core practicals in Year 12
- 8 further core practicals in Year 13
- All are internally assessed and externally verified
- Successful completion is recognised by a 'practical endorsement' on your A Level certificate.
- Knowledge of the practicals and the relevant techniques is examined in the written exams too.

Paper 1 (and Paper 3)

Year 12: Mechanics, Electricity, Further Mechanics

Year 13: Electric and Magnetic Fields, Nuclear and Particle Physics

Paper 2 (and Paper 3)

Year 12: Materials, Waves, the Particle Nature of Light, Thermodynamics

Year 13: Oscillations, Space, Nuclear Radiation, Gravitational Fields

Paper 3

A synoptic paper drawing on all aspects of the course with a particular emphasis on the core practicals and practical / analytical skills.

Common problems in Year 12

- Numeracy issues – including rearrangement
- Units (missing / incorrect)
- Power of ten errors (lack of knowledge of the meaning of micro, nano, mega etc)
- Lack of broad knowledge of GCSE
- Literacy issues (vague/confused/inaccurate use of language)

Summer Work Booklet

- You will be expected to complete the Summer Holiday Workbook and hand it in on the first lesson.
- Is available for download and print from the Sixth Form Tab of the school website (Prospective Year 12 Physics Students)
- Tests will be undertaken on this work in the first 2 weeks in Year 12, including recall of formulae and rearrangement skills.
- Please also read the accompanying letter and look out for some additional work from Isaac Physics