



Edgbarrow School

Year 13

A-Level Physics



Curriculum Intent

A-Level Physics will enable students to develop:

- essential knowledge of different areas of the subject and how they are linked
- competence in a variety of practical, mathematical and problem-solving skills
- a deep understanding of scientific methods
- interest in and enthusiasm for the subject
- an understanding of how society makes decisions about scientific issues

○ What am I studying this year and how and when will I be assessed?

Knowledge & Skills	Term	Assessment	Homework
Magnetic fields Nuclear and Particle Physics Thermodynamics Space	Autumn	Interim block tests on Magnetic fields, Nuclear and Particle Physics; Thermodynamics & Space (combined test). Core practicals 12, 13, 14. November Mock (2h): Year 12 work plus magnetic fields, nuclear and particle Physics.	One hour of independent study per hour lesson. This can be set lesson by lesson or in a small block over more than one lesson (within reason).
Nuclear Radiation Oscillations	Spring	Interim block tests on Nuclear Radiation, Oscillations Core practicals 15, 16. February Mock (1h45min): Covering entire curriculum plus practical skills (two papers)	
Revision and consolidation Exam technique/skills development	Summer	External exams June 2024 - three papers Edexcel Advanced Physics Paper 1 - 1h 45 min. Edexcel Advanced Physics Paper 2 - 1 h 45 min. Edexcel Advanced Physics Paper 3 - 2 h 30 min.	

Internal exams

November 2023: Mock exam covering Year 12 work plus magnetic fields, nuclear and particle Physics.

February 2024: Mock exams on full curriculum plus practical skills (two papers).

External exams

June 2024: Edexcel Advanced Physics Papers 1(1h 45min), 2(1h 45min) and 3 (2h 30min).

Practical Endorsement: This consists of a number of practical assessments that will take place throughout the year, and be assessed against specific practical criteria.

Marking for Literacy

(Longer answers and written work will be marked for at least one of the below. Your teachers will tell you which.)

Sp – Spelling mistake of key term

// - Needed new paragraph

C – Capital letter missing

P – Punctuation needed

Expr – Expression

Students will demonstrate pride in their work by:

- Presenting information clearly and neatly to aid learning
- Using a title and date for all work including homework
- Underlining all dates and titles using a ruler
- Writing in blue or black pen
- Completing drawings and diagrams in pencil
- Glue in sheets flat and in order
- Annotating work and making corrections in coloured pens
- Crossing out mistakes neatly with a line
- Highlighting key words and concepts