



Edgbarrow School

Year 12

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
Working as a Physicist Mechanics Materials Electric Circuits (start)	Autumn	Intro to Physics assessment end of Sept 2023 (45min) Interim block tests on mechanics, materials. Core practicals 1, 2, 3, 4, 5.	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).
Electric Circuits (complete) Waves + Particle nature of light Further Mechanics	Spring	Interim block tests on electric circuits, waves, further mechanics. Core practicals 2, 3, 6, 7, 8, 9, 10. January Mock exam (2h): working as a physicist, mechanics, electric circuits and materials.	
Gravitational Fields Electric fields	Summer	Interim block tests on gravitational fields and electric fields. Core practical 11. June Mock exam (2h30min): including working as a physicist, mechanics, materials, circuits, waves and further mechanics.	

Internal exams

Sept 2023: Intro to Physics test

January 2024: Covering material on working as a physicist, mechanics, electric circuits and materials.

June 2024: Covering material including working as a physicist, mechanics, materials, circuits, waves and further mechanics.

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