

Welcome: Q&A

Parents information Evenings:
September 2026 and March 2027

Parents Evening:
December 2026

AUTUMN 2 : Topic 1 – Energy P2, & P3

2 Nov – 18 Dec 2026

• KNOWLEDGE

- **Energy transfer by heating and Energy resources;** how energy are transferred, and different resources of energy, such as wind, solar, hydro, fossil fuels and nuclear energy.

• SKILLS

- Able to explain how energy transfers from source to the observer.
- Able to describe different source of energy and how electricity is generated from different resource

• RP1 & RP2

• RETRIEVAL

- Low-stakes quiz on Equations
- EUT P2 & P3

MA1 - NOV

Winter 2 : Topic 2- Electricity P5

22 Feb – 16 May 2027

• KNOWLEDGE

- **Electricity in the home:** DC, AC and how the home appliance are connected to the mains & their efficiencies.

• SKILLS

- Able to calculate I, V, R and energy dissipation from a circuit diagram and efficiencies of an appliance. RP4

• RETRIEVAL

EUT P4 & P5

Trip to Nuclear Power station: Curriculum & Destination

Spring 2: Topic 4- Radioactivity P7

• KNOWLEDGE

- Radioactivity: Development of atomic model, the radioactive nature of isotopes. Nuclear Fission and fusion

• SKILLS

- Able to calculate the activity and HL of radioactive nuclide and explain how these isotopes are used in in real world.

• RETRIEVAL

- Full-spec retrieval of Y10 curriculum.
- EUT Further Mechanics
- Start of independent practice of GCSE Paper 1 of last 5 years.

MA3 - JUN

AUTUMN 1 : Topic 1 – Energy P1

2 Sept – 23 Oct 2026

• KNOWLEDGE

- **Conservation and dissipation of energy:** state different energy stores and energy changes forms
- **SKILLS**
- Able to explain what happens when energy transfers and calculate GPE, KE, EPE.

• RETRIEVAL

• Baseline test

- Interleaved retrieval of KS3 contents related to Energy EUT P1

Winter 1 : Topic 2- Electricity P4

5 Jan – 12 Feb 2027

• KNOWLEDGE

- **Electric circuits and Electricity in the home:** Series and parallel circuits. DC, AC and how the home appliance are connected to the mains & their efficiencies.

• SKILLS

- Able to set up series and parallel circuits and calculate I, V, R if a circuit. and energy dissipation from a circuit diagram

• RP3

• RETRIEVAL

Low-stake quiz in tier 3 vocabulary

MA2 - JAN

Spring 1 : Topic 3- Particle model of matter P6

12 Apr – 28 May 2027

• KNOWLEDGE

- **Molecules and matter.** Density, state of matter, SHC, and pressure, temperature and volume of gas.

• SKILLS

- Able to measure and calculate the specific heat capacity of a solid

• RP5

• RETRIEVAL

EUT P6

SUMMATIVE ASSESSMENT — Sat at the end of Year 10 in June

Examination: Paper 1

Written exam • 1 hour and 45 minutes

• 100 marks

• mixture of multiple, long questions and extended 6-marker Qs..

AO1–AO3: State, Define, Explain, Apply, Analyze & Evaluate.

Covers Content Topics 1–4 including Practicals.

Practical Skills

- RP1 to RP5 must be completed in Year 12..

- If a student misses an RP, they must arrange a catch-up session outside of regular timetabled lessons with their teacher

- Students must accurately use measuring instruments to gather reliable data across Paper 1 practicals. To secure top grades, they must strictly control variables, minimise errors and draw lines of best fit to calculate gradients.

GCSE

YEAR 10 —Topic 1 - 4

YEAR 11 —Topic 5 - 8

Destinations