



Year 9 Physics Curriculum Overview

- ✓ Each lesson will start with a series of questions linked to both the previous lesson and topics studied previously.
- ✓ Formative assessment of skills linked to practical work will enable students to demonstrate their acquisition of new skills.
- ✓ Students are encouraged to consolidate learning at least once a week and seek tutor help if unsure on any topics.
- ✓ Within each unit, time will be allocated for consolidation and recall before assessment
- ✓ The following questions will be explored within the units

Half Term 1	
Date	Topic: Energy
WC 30/08	Introduction to science (expectations, standards, health and safety, introduction of key skills and assessing prior knowledge).
WC 06/09	Why do we need energy?
WC 13/09	How is energy transferred?
WC 20/09	What is efficiency?
WC 27/09	How does energy change in a system? (GPE)
WC 04/10	
WC 11/09	
Half Term 2	
Date	Topic: Energy
WC 01/11	How does energy change in a system? (KE)
WC 08/11	How does energy change in a system? (EPE) Required practical: Force and extension.
WC 15/11	What is power?
WC 22/11	What does specific heat capacity tell us?
WC 29/11	How can we measure specific heat capacity? Required practical: Specific heat capacity.
WC 06/12	
WC 13/12	
WC 20/12	
Half Term 3	
Date	Topic: Energy
WC 03/01	How can we keep our homes warmer?
WC 10/01	How can we generate electricity?
WC 17/01	How do we keep our lights on?
WC 24/01	
WC 31/01	
WC 07/02	
Half Term 4	
Date	Topic: Particle model of matter
WC 21/02	How are particles arranged?
WC 28/02	How do we calculate density?
WC 07/03	How do we measure the density of a regular shape? Required practical: Density.
WC 14/03	How do we measure the density of an irregular shape? Required practical: Density.
WC 21/03	How do we measure the density of a liquid? Required practical: Density.
WC 28/03	
Half Term 5	
Date	Topic: Particle model of matter
WC 18/04	What is internal energy?
WC 25/04	What is specific latent heat?
WC 02/05	How do particles behave in a gas?
WC 09/05	What happens to pressure when volume is changed?
WC 16/05	How does temperature affect the pressure in a gas?
WC 23/05	
Half Term 6	
Date	Topic: Electricity
WC 06/06	How do we draw electrical components?
WC 13/06	What is current?
WC 20/06	What's the relationship between current, resistance and potential resistance?
WC 27/06	How does the length of a wire affect resistance? Required practical: Length of a wire and resistance
WC 04/07	
WC 11/07	
WC 18/07	