

KS4 TRILOGY AND SEPARATE SCIENCE

PHYSICS



	Autumn Term	Spring Term	Summer Term
Year 9	N/A	N/A	Introduction to GCSE Physics Module 1: Energy introduction
Year 10	Module 3: Matter <ul style="list-style-type: none"> • Studying, solids liquids and gases • Using the particle model to explain physical phenomena 	Module 1: Energy <ul style="list-style-type: none"> • Explaining the mechanisms of transfers between stores of energy • Describing the resources used to generate electricity 	Module 2: Electricity <ul style="list-style-type: none"> • Examining the fundamentals of electrical circuits and components • • Understanding safe distribution and use of electricity in the home Module 4: Atomic Structure <ul style="list-style-type: none"> • Explaining the model of the atom and what happens when the nucleus is unstable • Describing the properties of nuclear radiations and evaluating their uses
Year 11	Module 6: Waves <ul style="list-style-type: none"> • Investigating the transfer of energy by wave motion • Describing uses of electromagnetic waves and formation of images Module 7: Magnetism and electromagnetism <ul style="list-style-type: none"> • Explaining magnetic field theory • Analysing uses of magnetic fields 	Module 5: Forces <ul style="list-style-type: none"> • Applying Newton's laws of motion • Using kinematics to explain and predict an object's motion Module 8: Space <ul style="list-style-type: none"> • Evaluating the evidence for the Big Bang theory • Explain the life cycles of stars 	Final Exams