Key Stage 4 Subject Overview: NEW GCSE PHYSICS

Course Information: The course offers the chance to gain understanding of energy, electricity, particle model of matter, atomic structure, forces, waves, magnetism, electromagnetism and space physics.

Course Structure:

	PHYSICS PAPER 1	PHYSICS PAPER 2
What is assessed	Topics 1-4 Energy, Electricity, Particle model of matter and atomic structure	Topics 5-8: Forces, Waves, magnetism, electromagnetism and space physics
Course weighting	**50% (1hour 45 minutes) - 100 marks**	**50% (1hour 45 minutes) - 100 marks**

Key Stage 4 Timeline

Year 10			Year 11		
Autumn	Spring	Summer	Autumn	Spring	Summer
Energy Electricity **Required experiments**	Particle model of mater Atomic structure **Required experiments**	**PHYSICS PAPER 1 REVSION AND MOCK EXAM .** Forces **Required experiments**	Waves Magnetism and electromag-netism **Required experiments**	Space physics **PHYSICS PAPER 2 MOCK EXAM** **REVISION**	**GCSE EXAMS**

Assessment Criteria

8	6	4
Apply content knowledge to a range of events . Analyse data to draw conclusion . Evaluate arguments and justify own opinion based on scientific evidence . Recall and rearrange equations to perform calculations and use answers from calculations to make recommendations . Make recommendations based on scientific evidence . Assess the limitation of scientific evidence.	Applying knowledge from each topic to everyday events. Plan experiments to investigate scientific ideas. Compare results and processes. Interpret models and evidence to show how scientific ide-as have changed over time. Recall and rearrange equations to perform calculations. Apply practical skills to examination question s.	Explain all the concepts above. Carry out investigations to investigate hypothesis. Interpret graphs and tables. Carry out calculations using data sheet Make and interpret models to show scientific ideas. Recall and use equations. Recall practical skills in examinations.