

Science Department

Curriculum Overview - Year 9 - Combined Science

The Big Picture:

Year 9 will study: From the GCSE course studying for all 3 Sciences. They will study from biology, cell structure and organisation in organisms, from chemistry, atomic structure and bonding, chemical tests and the earth's atmosphere, and from physics, energy stores and demands and waves.

AO1: Demonstrate knowledge and understanding of the topic.

AO2: Apply your knowledge and understanding of the topic and use your scientific ideas.

AO3: Analyse information in a scientific context and use your understanding to make predictions and evaluations.

Term 1: Biology: Cell structure and Cell division <i>Green Task: Comparing transport across membranes</i> Assessment Objectives covered –AO1, AO2, AO3	Term 4: Biology: Human Digestion Chemistry: Chemical tests <i>Green Task: Chemical analysis of substances</i> Assessment Objectives covered –AO1, AO2, AO3
Term 2: Chemistry: Atomic structure and Periodic table <i>Green Task: Patterns from the periodic table</i> Assessment Objectives covered –AO1, AO2, AO3	Term 5: Chemistry: Earths Atmosphere Physics: Waves <i>Green Task: Waves and their application</i> Assessment Objectives covered –AO1, AO2, AO3
Term 3: Physics: Energy stores and demands <i>Green Task: Energy transfers around us</i> Assessment Objectives covered –AO1, AO2, AO3	Term 6: Biology: Transport in humans and plants Chemistry: Chemical Bonding <i>Green Task: Food testing</i> Assessment Objectives covered –AO1, AO2, AO3