

Curriculum Overview: Science

	Year 7	Year 8	Year 9 GCSE Combined Science	Year 10 GCSE Combined Science	Year 11 GCSE Combined Science	Year 12 BTEC Applied Science	Year 13 BTEC Applied Science
HT1	Lab safety and practical skills Book 1: Cells Book 1: Particle model	Book 1: Plant reproduction Book 1: Interdependence Book 1: metals and non-metals Book 1 Contact and non-contact	C9 Chemistry of the atmosphere B1 Cell Biology	C2 Structure and Bonding B3 Infection and response	C6 The rate and extent of chemical change P5 Forces	Unit 1 Principles and applications of science 1	Unit 5 Unit 5 Principles and applications of science 2 Unit 6 Investigative project
HT2	Book 1: Speed Book 1: Movement Book 1: Separating mixtures	Book 1: pressure Book 1: Variation Book 2: Inheritance Book 1: Acids and alkalis	P3 The particle model of matter	P1 Energy C3 Quantitative chemistry	B5 Coordination and control P6 Waves	Unit 1 Principles and Applications of Science 1 Unit 2 Practical Scientific Procedures and Techniques Unit 3 Scientific Investigation Skills	Unit 5 Principles and applications of science 2 Unit 6 Investigative project Unit optional choice 1 tbc
HT3	Book 1: Gravity Book 1: Universe Book 1: Human reproduction Book 2: The periodic table	Book 2: Evolution Book 2: Chemical energy Book 2: Work Book 2: Heating and cooling	C1 Atomic structure and the periodic table	C4 Chemical changes C5 Energy changes	C7 Organic chemistry B6 Inheritance variation and evolution	Unit 2 Practical Scientific Procedures and Techniques Unit 3 Scientific Investigation Skills	Unit optional choice 1 tbc Unit optional choice 2 tbc

HT4	Book 1: Energy costs Book 2: Elements Book 2: Breathing	Book 2: Photosynthesis Book 2: Respiration	B2 Organisation	P2 Electricity	P7 Magnetism and electromagnetism Revision and exam practise	Unit 4 Laboratory Techniques in the Workplace Unit 3 Scientific Investigation Skills	Unit optional choice 1 tbc Unit optional choice 2 tbc
HT5	Book 1: Energy transfers Book 2: Digestion Book 1: Sound	Book 2: Types of reactions Book 1: Voltage resistance and current	C10 Using resources	B4 Bioenergetics	Revision and exam practise	Unit 4 Laboratory Techniques in the Workplace Unit 1 Principles and applications of science 1 revision Unit 5 Principles and applications of science 2	All unit catch up
HT6	Book 1: Light Book 1: Earth Structure	Book 2: Wave effects and properties Book 2: Electromagnets	P4 Atomic structure	B7 Ecology C8 Chemical analysis		Unit 5 Principles and applications of science 2 Unit 6 Investigative project (introduce for summer planning)	Unit catch up (where needed)