	Curriculum Information
Year 7	
Learning Outcomes	We use the whole of Key Stage 3 to build a broad, solid foundation of knowledge and skills so that students can fully access the lessons and topics. We employ a two-year Key Stage 3 model with common assessment points at the end of each term. Our scheme of learning and progress is written 'in house' and structured to have common assessment throughout to track progress. Year 7 is based as much as possible on practical work to fully engage students whilst building the key knowledge and understanding.
Topics taught	- Acids and Alkalis - Air - Earth and space - Electricity and Magnetism - Forces - Living together - Materials and Properties - Reproduction - What are we made of
Year 8	
Learning Outcomes	Year 8 continues with the work from Year 7 with students focussing on the scientific processes that underpin the Science curriculum. The key skills of practical enquiry and mathematical skill are a focus to build a foundation for the students as they progress through the year building towards the start of GCSEs.
Topics taught	- Atoms and Elements - Breathing and Respiration - Energy changes and transfers - Food and Digestion - Particle Chemistry - Light and Sound
Year 9	
Learning Outcomes	This year marks the beginning of our three-year GCSE science course following the AQA scheme of work. Students are provided with a thorough understanding of the three sciences leading to a GCSE qualification in science. Year 9 begin the AQA Science (9-1) qualification looking at the early modules from all three separate science qualifications. Each group is taught Science with the choice of course being made later in their studies.

Topics taught	AQA – GCSE Trilogy Science AQA – GCSE Separate Biology AQA – GCSE Separate Chemistry AQA – GCSE Separate Physics
GCSE	
Learning Outcomes	Throughout the GCSE courses all students are monitored carefully through regular assessment to aid their progress and to also to allocate them onto the most appropriate course to study in Year 11 to achieve the best outcome for the individual. There is no controlled assessment but students will complete a set of 'core practical activities' which support their learning over time.
Topics taught	Biology - Cell Biology - Organisation - Infection and response - Bioenergetics - Homeostasis and response - Inheritance, variation and evolution - Ecology Chemistry - Atomic structure and the periodic table - Bonding, structure, and the properties of matter - Quantitative chemistry - Chemical changes - Energy changes - The rate and extent of chemical change - Organic chemistry - Chemical analysis - Chemistry of the atmosphere - Using resources Physics - Energy - Electricity - Particle model of matter - Atomic structure - Forces - Waves - Magnetism and electromagnetism