

## Key Stage 3 Science - What you will study over the Year

	Subject	Unit	Year 8	Year 9
			Topic	Topic
<b>Autumn</b>	Biology	Organisms	Diffusion Digestion	Respiration GEX and circulatory systems Body Defences
	Chemistry	Matter	Mixtures & Separating Techniques	Model of Atoms Relative Atomic and Molecular Masses Balancing equations
	Physics	Energy	Types of Forces Balanced and Unbalanced Forces Motion Pressure Density	Newton's Laws Velocity and Acceleration Hooke's Law
	Biology	Ecosystems	Photosynthesis Leaf Adaptations Specialised Plant Cells	Water and Carbon Cycle Plant vessels Transpiration Impact of human activities
<b>Spring</b>	Chemistry	Reactions	Metal & Non-Metal Properties Endo/exothermic reactions	Types of reaction Rates of reaction
	Physics	Light and Sound	Reflection and Refraction Eye and Camera Lenses	Heat Transfer State changes Specific Heat Capacity
	Biology	Genes	Biodiversity Natural Selection Evolution Extinction Classification	DNA structure and genes Selective breeding Genetic engineering Reproduction in animals and plants Menstrual cycle
	Chemistry	Earth & Environment	Trends of the Periodic Table Electron configuration Earth Structure and Atmosphere	History of Periodic Table Bonding and ions
	Physics	Electricity	Magnetism Magnetic Poles Earth Magnetic Field Electromagnets Uses of electromagnets	Parallel circuits Ohm's law IV characteristics Resistance Plug Safety Generating electricity and transmission
<b>Summer</b>	How Science Works	Science Skills	Science skills / Revision	Science skills / Revision
	Topic		Hidden Voices in Science	Pre GCSE topics