

Science Programme of Study 2019-2020



STRANDS	Year 7			Year 8* (2019-2020 only)			Year 8 (September 2020 onwards)	Year 9			Year 10			Year 11		
	TERM 1	TERM 2	TERM 3	TERM 1	TERM 2	TERM 3		TERM 1	TERM 2	TERM 3	TERM 1	TERM 2	TERM 3	TERM 1	TERM 2	TERM 3
Scientific enquiry	Introduction to enquiry		Enquiry project	Enquiry project		Enquiry project	Enquiry projects	Enquiry project	Enquiry project	Enquiry project	Required practicals	Required practicals	Required practical project	Required practicals	Required practicals	
Organisms	Organisms (Cells and movement)						Organisms (Breathing & Digestion)	Organisms (Cells, organisation & diet)			Infection & response	Homeostasis				
Origins		Genes (Variation and human reproduction)			Genes (Variation, Human reproduction, Evolution, Inheritance)		Organisms (Evolution & Inheritance)							Inheritance, variation and evolution		
Cycles & Interactions			Ecosystems (Interdependence and plant reproduction)				Ecosystems (Respiration & Photosynthesis)			Ecosystems (Bioenergetics)			Ecology			
Matter	Matter (Particle model and Separating mixtures)						Matter (Elements & The Periodic Table)	Matter (Atomic structure & The periodic Table)	Matter (Bonding, structure & the properties of matter)		Particle model (Physics), Atomic structure (Physics)			Organic chemistry		
Reactions		Reactions (Acids and alkalis and metals/non metals)		Reactions (Acids & alkalis, Metals and non-metals, Types of reaction, Chemical energy)			Reactions (Types of reaction & Chemical energy)				Quantitative chemistry, Chemical changes & Energy changes			Chemical Analysis	The rate and extent of chemical change	
Earth & Beyond			Earth & Space (Earth structure and Universe)	Space Project			Earth & Space (Climate & Earth resources)			Earth & beyond (The Earth and atmosphere)				Using resources		
Energy	Energy (Energy cost and Energy transfer)			Energy (Energy costs, Energy transfers, Work, Heating & cooling)			Energy (Work, energy, and machines)	Energy (Stores, transfers & resources)								
Electricity & Magnetism		Electricity (Potential difference and current)			Electromagnets (Potential difference & resistance, Current, Magnetism and Electromagnets)		Electromagnets (Magnetism and Electromagnets)		Electricity (Circuits)					Magnetism & Electromagnetism		
Waves			Waves (Light and sound)			Waves (Light, Sound, Wave effects and Wave properties)	Waves (Wave effects and Wave properties)							Waves		
Forces							Forces (Contact forces, Pressure, Speed & Gravity)					Forces				
Wider Scientific Experiences		National Science Week (March)			National Science Week (March)				National Science Week (March)							

GCSE EXAMINATION

*Some strands taught in completion in Y7