



SCIENCE CURRICULUM OVERVIEW

Ready. Respect. Safe.

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
7	Behaviour of matter – The particle model Objects effects on others - Changing shape Building blocks of life – Animal cells	Building blocks of matter – The atom Beyond Earth – Astrophysics Building blocks of matter – Changes of state	The human body – The breathing system Chemical reactions – Type of reactions Our Earth – The cycles	Building blocks of life – Human reproduction The human body – Health and Disease	Behaviour of matter - Purity Chemical reactions - Acids and alkalis	Our Earth – Our atmosphere The human body - The digestive system
8	Chemical reactions - Acids and alkalis Beyond Earth – Astrophysics The human body - The digestive system	Behaviour of Energy – Principles of energy Heating and Cooling -	Building blocks of life - Cellular respiration Behaviour of Energy – Energy in the home Building blocks of life – Plant cells	Objects effect on others – Electricity Forces and motion Waves- Behaviour of Energy	Interaction of life – Photosynthesis Chemical reactions - Reactivity of metals	Objects effect on others - Changing forces Magnetism
9	The interaction of life – Interdependence Behaviour of matter – The periodic table Behaviour of energy – Principles of energy	Building blocks of life – Inheritance and evolution Objects effect on others – Magnetism Forensic science- Crime scene investigations	The human body- Exploring organ functions Power of particles- Their uses and dangers Chemical reactions – Reactivity of metals		Building blocks of life – Cells to systems Behaviour of matter - Atoms and the periodic table Objects effect on others Forces 1	
10	Biology – Organisation (Organ systems, Health and disease and enzymes. Chemistry – Chemical changes (reactions of acids) Chemical analysis and Bonding, structure and properties Physics – Atomic structure, Forces and Energy		Biology – Infection and response and Bioenergetics Chemistry – Bonding, structure and properties Chemical changes 2 (redox reactions) Physics – Energy and Forces in action		Biology – Completion of Bioenergetics and Homeostasis and response Chemistry – Quantitative chemistry and Organic chemistry Physics – Completion of Forces in action and Electricity	
11	Biology - Inheritance, variation and evolution Chemistry – Using resources, chemical analysis, organic chemistry, rates of reaction Physics – Electromagnets and magnetism, Particle model		Physics – Space			