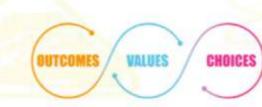


Science Curriculum Overview



	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
7	Biology: Extended working scientifically. Chemistry: Matter – the particle model and atoms and elements. Physics: Forces – speed.	Biology: Extended working scientifically. Chemistry: Matter – the particle model and atoms and elements. Physics: Forces – speed.	Biology: Organisms – movement and cells. Chemistry: Matter – separation techniques. Physics: Earth – space and gravity.	Biology: Organisms – movement and cells. Chemistry: Matter – separation techniques. Physics: Earth – space and gravity.	Biology: Genes - variation and human reproduction. Chemistry: Earth – The Earth's structure. Physics: Energy – energy costs and energy transfers.	Biology: Genes - variation and human reproduction. Chemistry: Earth – The Earth's structure. Physics: Energy – energy costs and energy transfers.
8	Biology: Organisms - breathing and digestion. Chemistry: Matter - periodic table and elements. Physics: Electricity – magnetism and electromagnetism.	Biology: Organisms - breathing and digestion. Chemistry: Matter - periodic table and elements. Physics: Electricity – magnetism and electromagnetism.	Biology: Ecosystems – interdependence, plant reproduction and photosynthesis. Chemistry: Reactions - metals and non-metals, acids and alkalis. Physics: Energy – work, heating and cooling.	Biology: Ecosystems – interdependence, plant reproduction and photosynthesis. Chemistry: Reactions - metals and non-metals, acids and alkalis. Physics: Energy – work, heating and cooling.	Biology: Genes - evolution and inheritance. Chemistry: Earth – climate and atmosphere. Physics: Forces - contact forces and pressure.	Biology: Organisms – drugs and health. Chemistry: Earth – climate and atmosphere. Physics: Forces - contact forces and pressure.
9	Biology: Organisms - cell biology. Chemistry: Matter – atomic structure, the periodic table and chemical analysis. Physics: Waves - sound and light.	Biology: Organisms - cell biology. Chemistry: Matter – atomic structure, the periodic table and chemical analysis. Physics: Waves - sound and light.	Biology: Ecosystems – ecology. Chemistry: Reactions – chemical reactions. Physics: Energy – energy changes.	Biology: Ecosystems – ecology. Chemistry: Reactions – chemical reactions. Physics: Energy – energy changes.	Biology: Ecosystems – respiration and photosynthesis. Chemistry: Reactions - chemical reactions. Physics: Electricity – electricity and magnetism.	Biology: Ecosystems – respiration and photosynthesis. Chemistry: Reactions - chemical reactions. Physics: Electricity – electricity and magnetism.
10	Biology: Organisms –organisation. Chemistry: Reactions – Bonding. Physics: Energy – particle model and atomic structure.	Biology: Organisms – organisation. Chemistry: Reactions – rate and extent of chemical change Physics: Energy – particle model and atomic structure.	Biology: Organisms – homeostasis and response. Chemistry: Reactions – rate and extent of chemical change Physics: Waves – waves and magnetism.	Biology: Organisms – homeostasis and response. Chemistry: Reactions – electrolysis. Physics: Waves – waves and magnetism.	Biology: Genes – inheritance, variation and evolution. Chemistry: Earth – using resources. Physics: Forces – forces and Newton's laws.	Biology: Genes – inheritance, variation and evolution. Chemistry: Earth – using resources. Physics: Forces – forces and Newton's laws.
11	Biology: Organisms – infection and response. Chemistry: Reactions – organic chemistry. Physics: Energy – energy changes.	Biology: Ecosystems — bioenergetics. Chemistry: Reactions — chemical analysis. Physics: Energy — energy changes.	Biology: Ecosystems – bioenergetics/ecology. Chemistry: Earth – Earth's resources and systems. Physics: Electricity – electricity and magnetism.	Biology: Ecosystems – ecology. Chemistry: Earth – Earth's resources and systems. Physics: Electricity – electricity and magnetism.	Revision	