Science Overview

Threads

Life Processes and Organisation	Substances and properties	Stuff (matter)
Living things and their environments	Particles and Structure	Forces and Energy
Inheritance and Evolution	Chemical reactions	Waves, Electricity and Magnetism
Healthy Lives	Our Earth	Beyond Earth

Year 10

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Cells and systems Digestive system and digestion Circulatory system and blood Respiration	Cells and organisation Transport in and out of cells Exchange surfaces	Health and disease Communicable diseases The immune system and vaccination Medicines and testing new drugs	Bioenergetics (respiration and photosynthesis) Endocrine and nervous systems Homeostasis	Forces and speed Mass and weight Speed and velocity Energy resources	Radioactivity
States of matter Heating and changes of state	Specific energy store. Energy efficiency.	Energy resources	Bonding Acids and alkalis	Properties of metals Reactions of metals	Plant structure and photosynthesis
	Atomic Models Atomic number and the periodic table Atoms, elements and compounds				
Energy stores, energy transfers, and specific energy stores.	Chemical equations	Density		Earth and the atmosphere Extraction of metals Recycling	

Science Overview

Year 11

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Ecosystems and feeding relationships	Magnets and electromagnets	**BIOLOGY MID YEAR GAP FILL - REVISITING TOPICS FROM YR 10** BASED ON RTP GAPS	Hydrocarbons Polymers		
			Earth's atmosphere		
Electricity Electrical circuits Electrical appliances and domestic electricity	Acids and alkalis Chemical Reactions and Rate of Reaction	Waves Physics required practicals	Electromagnetic spectrum		
	Ecology Chromosomes and inheritance Genetic engineering Natural and artificial selection		**BIOLOGY MID YEAR GAP FILL - REVISITING TOPICS FROM YR 10** BASED ON RTP GAPS		