

Science Overview

Threads

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

Year 9					
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Cells and systems	States of matter	Health and disease	Bioenergetics (respiration and photosynthesis)	Forces and speed	Ecology
					Inheritance
Energy Stores and resources	Heating and cooling	Atoms, elements and compounds	Acids and alkalis	Earth and the atmosphere	Electricity
				Energy resources	

Year 10					
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Digestive system and digestion Circulatory system and blood Respiration	Cells and organisation Transport in and out of cells Exchange surfaces	Communicable diseases The immune system and vaccination Medicines and testing new drugs	Endocrine and nervous systems Homeostasis	Forces Mass and weight Speed and velocity	Radioactivity
Heating and changes of state	Atomic number and the periodic table	Energy resources	Bonding	Properties of metals Reactions of metals	Plant structure and photosynthesis

Energy transfers and efficiency	Chemical reactions	Density		Extraction of metals Recycling	
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Year 11					
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Ecosystems and feeding relationships	Magnets and electromagnets	Chromosomes and inheritance Genetic engineering Natural and artificial selection	Hydrocarbons Polymers Earth's atmosphere	Revision and Exams	Revision and Exams
Electrical circuits Electrical appliances and domestic electricity	Acids and alkalis Rates of reaction	Waves	Electromagnetic Spectrum		