



	Year 10	Year 11
Autumn 1	Health and Disease Communicable Disease / Incommunicable Disease / Cholesterol / Homeostasis / Insulin / Diabetes / Puberty / Oestrogen / Ovary / Testosterone / Testes / Menstrual Cycle / Contraceptive	Chemical Properties and Calculations Atomic Number / Atomic Mass / Ion / Isotope / Metal / Non-Metal / Noble Gas / Alkali Metal / Halogen / Chemical Symbol / Chemical Equation / Conservation of Mass / Relative Mass / Concentration
Autumn 2	Radiation <ul style="list-style-type: none">• Types of radiation• Uses of radiation• Dangers of radiation Radiation / Absorption / Emission / Radioactive Decay / Half-Life / Penetration / Contamination / Irradiation / Cancer	Forces and Work Force / Vector / Work / Joule / Mass / Weight / Gravitational Potential Energy / Elastic Deformation
Spring 1	Communicable Diseases and the Immune System Communicable Disease / Incommunicable Disease / Pathogen / Virus / Bacteria / Fungus / Phagocytosis / Vaccination / Genetic Modification / Stem Cells	Chemical Bonding Covalent Bond / Ionic Bond / Metallic Bond / Electron / Orbital
Spring 2	Earth Science <ul style="list-style-type: none">• Atmosphere	Magnetism

	<ul style="list-style-type: none"> • Water cycle • Greenhouse effect • Climate change <p>Atmosphere / Carbon Cycle / Greenhouse Effect / Greenhouse Gas / Climate Change / Water Cycle / Potable Water</p>	<p>Newton's Laws of Motion</p> <p>Magnet / Magnetic Field / Velocity / Free Fall / Acceleration / Kinetic Energy / Joules / Stopping Distance</p>
Summer 1	<p>Ecosystems</p> <p>Ecosystem / Habitat / Population / Community / Interdependence / Competition / Biotic / Abiotic / Biodiversity</p>	<p>Electrical Circuits</p> <p>Acids and Alkalis</p> <p>Electrical Charge / Amperes / Electrical Current / Coulombs / Resistance / Ohms / Voltage / Potential Difference / Series Circuit / Parallel Circuit / Direct Current / Alternating Current / Power / Watts / pH Scale / Gas Test / Activation Energy / Endothermic / Exothermic / Neutralisation / Rate of Reaction / Surface Area / Catalyst / Enzymes / Reversible Equilibrium / Dynamic Equilibrium / Reactivity Series / Electrolysis</p>
Summer 2	<p>Genetics and Inheritance</p> <p>Chromosome / Gene / Double Helix / Punnett Square / Dominant / Recessive / Homozygous / Heterozygous / Genotype / Phenotype / Mutation / Evolution / Selective Breeding / Genetic Engineering</p>	<p>Sustainability</p> <p>Carbon / Hydrocarbon / Fractional Distillation / Cracking/ Metal Extraction / Energy Conservation / Wasted Energy / Energy Efficiency / Life Cycle Assessment / Reduce / Reuse / Recycle</p> <p>Review</p>