



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 10	<p>Topic: B5 Communicable Disease</p> <p>Health and disease Pathogens Bacterial growth Viral diseases Bacterial diseases Human defence responses</p> <p>Topic: C4 Chemical calculations</p> <p>Relative formula mass and moles Mass calculations and balanced equations Titration and titration calculations(T) Volumes of gases (T)</p> <p>Topic: C5 Chemical changes</p> <p>Extracting metals Displacement reactions</p> <p>Topic: P5 Electricity</p> <p>Alternating current Electrical appliances and power Energy transfer and currents</p> <p>Topic: P6 Molecules and matter</p> <p>Density</p>	<p>Topic: B6 Preventing and treating disease</p> <p>Vaccination Antibiotics and painkillers Developing drugs</p> <p>Topic: B7 Non communicable diseases</p> <p>Cancer Smoking and the risk of disease Diet, exercise and disease Alcohol and other carcinogens</p> <p>Topic: C5 Chemical changes</p> <p>Salts from metals Making salts Acids/pH scale</p> <p>Topic: P6 Molecules and matter</p> <p>Density States of matter Changing state Specific latent heat Internal energy Gas pressure and temperature</p>	<p>Topic: B8 Photosynthesis Knowledge and skills</p> <p>Photosynthesis Rate of photosynthesis How plants use glucose Making the most of photosynthesis</p> <p>Topic: C6 Electrolysis</p> <p>Electrolysis of molten and aqueous ionic compounds Extraction of aluminium oxide Electrolysis of aqueous solutions</p> <p>Topic: P7 Radioactivity</p> <p>Atoms and radiation Discovery and changes in the nucleus Alpha, beta and gamma radiation Activity and half life Nuclear radiation in medicine(T) Nuclear fission/fusion(T) Nuclear issues (T)</p>	<p>Topic: B9 Respiration</p> <p>Aerobic respiration The response to exercise Anaerobic respiration Metabolism and the liver</p> <p>Topic: C7 Energy changes</p> <p>Exothermic/endothermic reactions Energy profile diagrams Bond energy calculation Chemical cell, batteries and fuel cells</p> <p>Topic: P8 Forces in balance</p> <p>Vectors and scalars Resultant forces Moments and levers Centre of mass Parallelogram of forces</p>	<p>Topic: B10 The human nervous system</p> <p>Principles of homeostasis Nervous system Reflex actions The brain (T) The eye (T)</p> <p>Topic: B11 Hormonal coordination</p> <p>Hormonal control Blood glucose levels Diabetes</p> <p>Topic: C8 Rates and equilibrium</p> <p>Effect of temperature, concentration, surface area and catalyst Reversible reactions Dynamic equilibrium Altering conditions</p> <p>Topic: P9 Motion</p> <p>Speed and distance-time graphs Velocity and acceleration Velocity-time graphs Analysing motion</p>	<p>Topic: B11 Hormonal coordination</p> <p>Reproduction Menstrual cycle Fertility/infertility Plant hormones and responses (T) Using plant hormones(T)</p> <p>Topic: C9 Crude oil and fuels</p> <p>Hydrocarbons Fractional distillation Combustion Cracking hydrocarbons</p> <p>Topic: P10 Force and motion</p> <p>Force and acceleration Weight and terminal velocity Momentum Impact forces Forces and elasticity</p>