



Curriculum Overview: Triple Science

Exam Board: AQA Trilogy

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
10 B	Infection & Response <ul style="list-style-type: none"> Communicable diseases Monoclonal antibodies (Biology only) Plant disease (Biology only) 	Bioenergetics <ul style="list-style-type: none"> Photosynthesis Rate of photosynthesis Respiration Response to exercise Metabolism 	Homeostasis & Response part 1 <ul style="list-style-type: none"> Homeostasis The human nervous system The brain (Biology only) The eye (Biology only) 	Homeostasis & Response Part 2 <ul style="list-style-type: none"> Body temperature control (Biology only) Hormonal co-ordination in humans Plant hormones (Biology only) 	Ecology Part 1 <ul style="list-style-type: none"> Adaptations, interdependence and competition Biotic and abiotic factors 	Ecology Part 2 <ul style="list-style-type: none"> Organisation of an ecosystem Biodiversity Trophic levels (Biology only)
10 C	Quantitative Chemistry <ul style="list-style-type: none"> Chemical measurements Conservation of mass Moles Yield & Atom economy (chemistry only) 	Chemical Changes <ul style="list-style-type: none"> Reactivity of metals Reactions of acids Titrations (Chemistry only) Electrolysis and half equations 	Energy Changes <ul style="list-style-type: none"> Exothermic and endothermic reactions Reaction profile diagrams Chemical cells & fuel cells (Chemistry only) 	Rate of Chemical Change <ul style="list-style-type: none"> Rate of reaction Factors affecting rate of reaction Collision theory 	Rate of Chemical Change <ul style="list-style-type: none"> Catalysts Reversible reactions Equilibrium Effect of temperature & pressure on equilibrium 	Organic Chemistry <ul style="list-style-type: none"> Carbon compounds as fuels and feedstock Reactions of alkenes and alcohols (chemistry only) Polymers & polymerisation (chemistry only)
10 P	Electricity <ul style="list-style-type: none"> Current, potential difference & resistance Series & parallel circuits Domestic uses and safety Static electricity (Physics only) 	Atomic Structure <ul style="list-style-type: none"> Atoms and isotopes Atoms and nuclear radiation Hazards & uses of radioactive emissions (physics only) Nuclear fission & fusion 	Forces Part 1 <ul style="list-style-type: none"> Forces and their interactions Resultant forces Work done & energy transfer Forces & elasticity 	Forces Part 2 <ul style="list-style-type: none"> Moments, levers & gears (physics only) Pressure & pressure differences (physics only) Forces and motion Momentum 	Waves Part 1 <ul style="list-style-type: none"> Waves in air, fluids and solids Sound waves (Physics only) Waves for detection and exploration (Physics only) 	Waves Part 2 <ul style="list-style-type: none"> Electromagnetic waves Lenses (Physics only) Black body radiation (Physics only)
11 B	Inheritance & Evolution part 1 <ul style="list-style-type: none"> Sexual & Asexual reproduction DNA structure (Biology only) Genetic inheritance 	Inheritance & Evolution part 2 <ul style="list-style-type: none"> Inherited disorders Sex determination Variation Evolution Selective breeding 	Inheritance & Evolution part 3 <ul style="list-style-type: none"> Genetic engineering Cloning (Biology only) Theory of evolution (Biology only) Classification of organisms 	Revision <ul style="list-style-type: none"> Preparation for GCSE exams 	Exams <ul style="list-style-type: none"> GCSE exams 	Exams <ul style="list-style-type: none"> GCSE exams
11 C	Chemical Analysis <ul style="list-style-type: none"> Purity, formulations & chromatography Identification of common gases Identification of ions (Chem only) 	Chemistry of the Atmosphere <ul style="list-style-type: none"> Composition of Earth's atmosphere. Greenhouse gasses. Carbon dioxide and methane Atmospheric pollutants & sources 	Using Resources <ul style="list-style-type: none"> Using Earth's resources Sustainable development Potable water Wastewater treatment Life cycle assessments Using materials (Chem only) The Haber process (Chem only) 	Revision <ul style="list-style-type: none"> Preparation for GCSE exams 	Exams <ul style="list-style-type: none"> GCSE exams 	Exams <ul style="list-style-type: none"> GCSE exams
11 P	Magnetism & Electromagnetism <ul style="list-style-type: none"> Permanent & induced magnetism Magnetic forces & fields The motor effect Loudspeakers (Physics only) Induced potential, transformers and the National Grid 	Space Physics 1 <ul style="list-style-type: none"> The solar system, stability of orbital motions and satellites National and artificial satellites 	Space Physics 2 <ul style="list-style-type: none"> Red Shift Life cycle of a star 	Revision <ul style="list-style-type: none"> Preparation for GCSE exams 	Exams <ul style="list-style-type: none"> GCSE exams 	Exams <ul style="list-style-type: none"> GCSE exams