Curriculum Overview - Science

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year 7	The Cell Energy	Particle Theory 1 Working Scientifically	Organisation 1 The Atom Forces 1	Organisation 2 Elements and the Periodic Table	Electricity and Magnetism Interdependence	Separating Mixtures Space
Year 8	Space Bioenergetics	Acids and Bases Forces 2	Transport Particle Theory 2	Electronic Structure Atoms and Bonding	Health and Disease Rates of Reactions Electricity	Biodiversity Reactivity Series
Year 9	Waves Genetics	Electricity Forces 3	Bonding Photosynthesis	Quantitative Chemistry Cosmology	KS4 Cells KS4 Atoms	KS4 Energy
Year 10	B1 Organisation C1 Structure, Bonding and Properties of Matter P1 Electricity	B1 Infections and Response C1 Quantitative Chemistry B1 Bioenergetics	C1 Chemical Changes P1 Atomic Structure C1 Energy Changes	B2 Homeostasis and Response C2 Reaction Rate and Equilibrium	P2 Forces B2 Inheritance, Variation and Evolution	Revision for Summer
Year 10 Triple	B1 Organisation C1 Structure, Bonding and Properties of Matter P1 Electricity	C1 Quantitative Chemistry P1 Atomic Structure	C1 Chemical Changes B1 Infections and Response C1 Energy Changes	B1 Bioenergetics C2 Reaction Rate and Equilibrium	P2 Forces	B2 Inheritance, Variation and Evolution (TBC) Revision for Summer Exams
Year 11	B2 Homeostasis and Response C2 Reaction Rate and Equilibrium P2 Forces	B2 Inheritance, Variation and Evolution C2 Organic Chemistry C2 Chemical Analysis	C2 Chemistry of the Atmosphere P2 Magnetism	B2 Ecology Revision	Revision and exams	Revision and exams

Curriculum Overview - Science

Year 11 Triple	B2 Homeostasis and Response C2 Reaction Rate and Equilibrium P2 Forces	B2 Ecology C2 Organic Chemistry	C2 Chemical Analysis B2 Inheritance, Variation and Evolution	P2 Magnetism P2 Waves	C2 Chemistry of the Atmosphere	P2 Space Revision
Year 12 Chemistry	Atomic Structure Amount of Substance Bonding	Introduction to Organic Chemistry Alkanes	Alkenes Halogenoalkanes Group 2 and Group 7 elements	Redox equations Energetics Kinetics	Equilibria Periodicity	Alcohols Organic Analysis
Year 13 Chemistry	Optical Isomerism Aldehydes and Ketones Carboxylic acids and esters. Aromatic chemistry Polymers	Gibbs Free energy Born Haber Cycle Reaction Rates Equilibrium constants involving gases	Transition Metals Acids and Bases Electrochemistry	Period 3 Elements and Oxides Amines	Biological molecules Spectroscopy	Organic Synthesis Revision
Year 12 Applied	Unit 2 - Learning Aim A	Unit 2 - Learning Aim C	Unit 1 - Periodicity and Properties of Elements	Unit 1 - Structure and Function of Cells and Tissues Unit 1 - Waves in Communication	Unit 2 - Learning Aim B	Unit 2 - Learning Aim D
Year 13 Applied	Unit 3	Unit 8 - Learning aim A	Unit 3	Unit 8 - Learning Aim B	Unit 3	Unit 8 - Learning Aim C
Year 12 Psychology	Memory Social Influence	Attachment	Research Methods Psychopathology	Approaches	Biopsychology	Year 13 Research Methods
Year 12 Biology	Biological Molecules Cell Structure	Nucleotides and Nucleic acid Enzymes	Biological membranes Cell division	Transport Communicable diseases	Biodiversity	Classification and evolution

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