

Science Stages (1-5+)

Term	Topic	Unit Reference		
		KS	Unit Number	Unit Title
		3	7a	Cells, Tissues, Organs and Systems
		3	7c	Muscles and Bones
		3	8a	Food and Nutrition
		3	8d	Unicellular organisms
		3	9a	Genetics and Evolution
		3	9c	Biology Revision
		3	7d	Ecosystems
		3	7b	Sexual Reproduction in Animals
		3	8b	Plants and their reproduction
		3	8c	Breathing and Respiration
		3	9b	Plant Growth
		3	9d	Biology transition to GCSE
		3	7e	Mixtures and Separation
		3	7h	Atoms, Elements and Molecules
		3	8i	Fluids
		3	8f	Periodic Table
		3	8g	Metals and their uses
		3	9e	Making Materials
		3	9f	Reactivity
		3	7f	Acids and Alkalis
		3	7g	The particle Model
		3	8h	Rocks
		3	8e	Combustion
		3	9g	Chemistry Revision
		3	9h	Chemistry transition to GCSE
		3	7i	Energy
		3	7k	Forces
		3	8k	Energy Transfers
		3	8l	Earth and Space
		3	9i	Forces and Motion
		3	9j	Force fields and electromagnets
		3	7l	Sound
		3	7j	Current Electricity
		3	8j	Light
		3	8l	Sound and hearing
		3	9k	Physics Revision
		3	9l	Physics transition to GCSE

Science Stages (1-5+)

Year 1 GCSE-Year 10 2016-17

Term	Topic	Unit Reference		
		KS	Unit Number	Unit Title
		4	CB1	Key Concepts in Biology
		4	CB2	Cells and Control
		4	CB3	Genetics
		4	CB4	Natural Selection and Genetic Modification
		4	CC3	Atomic Structure
		4	CC4	The Periodic Table
		4	CC5, CC6, CC7	Ionic Bonding Covalent Bonding Types of Substance
		4	CC1, CC2	States of matter Methods of Separating and Purifying Substances
		4	CC9	Calculations Involving Masses
		4	CP1	Motion
		4	CP2	Forces and Motion
		4	CP3	Conservation of Energy
		4	CP5	Light and the Electromagnetic Spectrum
		4	CP6	Radioactivity
		4	CP10, CP11	Magnetism and the Motor Effect Electromagnetic Induction

Science Stages (1-5+)

Year 1 ELC year 10 2016-17 (5960)

Term	Topic	Unit Reference		
		KS	Spec Reference	Spec Title
		4	O1	Animal cells
		4	O2	Tissues, organs and systems
		4	O3	The human digestive system
		4	O4	Respiration
		4	O5	Infectious diseases
		4	O6	The role of white blood cells
		4	O7	Medicinal drugs
		4	O8	The nervous system
		4	O9	Hormonal control
		4	O10	Hormones can be used to control fertility.
		4	O1	Atoms and elements
		4	O2	Elements and compounds
		4	O3	States of matter
		4	O4	Forms (allotropes) of carbon
		4	O5	Mixtures
		4	O6	Chromatography
		4	O7	Metals and ores
		4	O8	Properties of metals
		4	O9	Alloys
		4	O10	Polymers
		4	O1	Changes in energy storage
		4	O2	Energy transfers and efficiency
		4	O3	Energy resources
		4	O4	Types of forces
		4	O5	Effects of forces
		4	O6	Speed
		4	O7	Stopping distances
		4	O8	Reaction times and stopping distances
		4	O9	Weather conditions and braking distances
		4	O10	Radioactivity

Science Stages (1-5+)

Year 2 GCSE 2017-2018

Term	Topic	Unit Reference		
		KS	Unit Number	Unit Title
		4	CB5	Health, Disease and Development of Medicines
		4	CB6	Plant Structures and their Functions
		4	CB7	Animal Coordination, Control and Homeostasis
		4	CB8	Exchange and Transport in Animals
		4	CB9	Ecosystems and Material Cycles
		4	CC10, CC11, CC12	Electrolytic Processes Obtaining and Using Metals Reversible Reactions and Equilibria
		4	CC13, CC14, CC15	Groups in Periodic Table Rates of Reaction Heat Changes in Chemical Reactions
		4	CC8	Acids and Alkalis
		4	CC16, C17	Fuels Earth and Atmospheric Science
		4	CP4	Waves
		4	CP7, CP8	Energy Forces and their Effects
		4	CP9	Electricity and Circuits
		4	CP12, CP13	Particle Model Forces and Matter

Science Stages (1-5+)

Year 2 ELC 2017-18 (5960)

Term	Topic	Unit Reference		
		KS	Spec Reference	Spec Title
		4	O1	The Sun as the source of energy and the role of plants in photosynthesis.
		4	O2	Animals and plants may be adapted for survival in the conditions where they normally live
		4	O3	Food chains and webs
		4	O4	Decomposition and recycling
		4	O5	Competition
		4	O6	Environmental changes
		4	O7	Pollution and the effects of human population growth
		4	O8	Evolution, natural and artificial selection
		4	O9	Sexual and asexual reproduction
		4	O10	Human genetics
		4	O1	Acids and metal reactions
		4	O2	Neutralisation
		4	O3	Energy and rate of reaction
		4	O4	Increasing the rate of a chemical reaction
		4	O5	Changes in Earth's atmosphere
		4	O6	The current atmosphere
		4	O7	Crude oil and fuels
		4	O8	Burning fuels
		4	O9	Human influences on the atmosphere
		4	O10	Water for drinking
		4	O1	Current in a circuit
		4	O2	d.c. and a.c. current
		4	O3	Wiring a plug
		4	O4	Energy transfer in electrical appliances
		4	O5	Magnets
		4	O6	Electromagnets and solenoids
		4	O7	Longitudinal and transverse waves
		4	O8	Wave properties
		4	O9	The electromagnetic spectrum
		4	O10	Uses of the electromagnetic spectrum