

## GCSE (9–1) Single Science Biology (Higher)

The table shows the contents of each Group of lessons, mapped to the specification. Some lessons may appear in more than one Group.

Lesson Group	Specification coverage (AQA / Edexcel)	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5	Pre-Test	Post-Test
<b>A: Cell biology and digestion</b>	<b>AQA:</b> 4.1.1.1–4.1.1.5, 4.1.2.1–4.1.2.3, 4.1.3.1–4.1.3.3, 4.2.1, 4.2.2.1 <b>Edexcel:</b> B1.1–B1.9, B1.11, B1.12, B1.15, B1.17, B2.1, B2.2, B2.5, B2.6, B2.8, B2.9, B6.7, B6.8, B8.1–B8.3	Cell structure and microscopes	Cell specialisation and differentiation	Cell division	Transport in cells	The digestive system and enzymes	<b>A</b>	<b>A</b>
<b>B: Circulatory system and infection</b>	<b>AQA:</b> 4.2.2.2, 4.2.2.4, 4.2.2.6, 4.2.3.1, 4.3.1.1, 4.3.1.3–4.3.1.5 <b>Edexcel:</b> B2.8, B5.4–B5.6, B5.8, B6.8, B6.9, B5.24, B5.25, B7.17, B8.3, B8.7, B8.8	The heart, blood vessels and blood	Non-communicable diseases	Plant tissues, organs and systems	Communicable diseases – viral and bacterial diseases	Communicable diseases – fungal and protist diseases	<b>B</b>	<b>B</b>
<b>C: Drug development, plant and animal systems</b>	<b>AQA:</b> 4.3.1.6–4.3.1.9, 4.4.1.1 – 4.4.1.3, 4.4.2.1–4.4.2.3, 4.5.1, 4.5.2.1, 4.5.2.4 <b>Edexcel:</b> B2.13, B2.14, B5.12–B5.14, B5.16, B5.20, B6.2–B6.6, B7.9, B8.9, B8.10, B8.12	Defence systems, vaccination, antibiotics and painkillers	Drug development and monoclonal antibodies	Photosynthesis	Respiration	Homeostasis and the nervous system	<b>C</b>	<b>C</b>
<b>D: Reproduction, DNA and genetics</b>	<b>AQA:</b> 4.5.3.1, 4.5.3.2, 4.5.3.4, 4.5.3.6, 4.6.1.1–4.6.1.5	Hormonal coordination in humans	Human reproduction and contraception	Treating infertility and negative feedback	Types of reproduction and meiosis	DNA structure and the genome	<b>D</b>	<b>D</b>

Lesson Group	Specification coverage (AQA / Edexcel)	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5	Pre-Test	Post-Test
	<b>Edexcel:</b> B3.21, B3.3–B3.5, B7.1, B7.4, B7.5, B7.8, B7.13, B7.15, B7.16, B7.17							
<b>E: Inheritance, variation and evolution</b>	<b>AQA:</b> 4.6.1.6–4.6.1.8, 4.6.2.1–4.6.2.5, 4.6.3.1–4.6.3.7 <b>Edexcel:</b> B3.12–B3.16, B3.19, B3.20, B3.22, B3.23, B4.2, B4.3, B4.4, B4.5, B4.8, B4.10, B4.11, B4.14	Inheritance and sex determination	Genetic understanding, variation and selective breeding	Genetic engineering and cloning	Evolution and speciation	Evidence for evolution - extinction	<b>E</b>	<b>E</b>
<b>F: Ecology</b>	<b>AQA:</b> 4.6.4, 4.7.1.1–4.7.1.4, 4.7.2.1–4.7.2.4, 4.7.3.1–4.7.3.6 <b>Edexcel:</b> B4.7, B6.1, B9.1–B9.4, B9.6, B9.9, B9.10, B9.12–B9.15	Classification and communities	Adaptations, abiotic and biotic factors	Organisation, cycling of materials and decomposition	Environmental change, biodiversity and waste management	Land use, deforestation and global warming	<b>F</b>	<b>F</b>
<b>G: Cell biology, organisation and plant systems</b>	<b>AQA:</b> 4.1.3.1–4.1.3.3, 4.2.3.1, 4.2.3.2, 4.3.3.1, 4.3.3.2, 4.4.1.1–4.4.1.3, 4.5.4.1, 4.5.4.2 <b>Edexcel:</b> B1.15–B1.17, B2.8, B6.2–B6.10, B6.12, B8.1–B8.3	Transport in cells	Plant tissues, organs and systems	Plant diseases	Photosynthesis	Plant hormones	<b>G</b>	<b>G</b>
<b>H: Cells, genetic engineering and drug development</b>	<b>AQA:</b> 4.1.2.1–4.1.2.3, 4.3.1.6–4.3.1.9, 4.3.2.1, 4.3.2.2, 4.6.1.1–4.6.1.5 <b>Edexcel:</b> B2.1, B2.2, B2.5, B2.8, B2.9, B3.3–	Cell division	Defence systems, vaccination, antibiotics and painkillers	Drug development and monoclonal antibodies	Types of reproduction and meiosis	DNA structure and the genome	<b>H</b>	<b>H</b>

# Pearson Tutoring Programme Resources Mapping



Lesson Group	Specification coverage (AQA / Edexcel)	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5	Pre-Test	Post-Test
	B3.5, B3.21, B5.12–B5.14, B5.16, B5.20							

## GCSE (9–1) Single Science Biology (Foundation)

The table shows the contents of each Group of lessons, mapped to the specification. Some lessons may appear in more than one Group.

Lesson Group	Specification coverage (AQA / Edexcel)	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5	Pre-Test	Post-Test
<b>A: Cell biology</b>	<b>AQA:</b> 4.1.1.1–4.1.1.6, 4.1.2.1–4.1.2.3 <b>Edexcel:</b> B1.1–B1.5, B2.1, B2.2, B2.5, B2.6, B2.8, B2.9, B5.17, B5.19, B6.7, B6.8,	Cell structure	Cell differentiation and specialisation	Culturing microorganisms	Mitosis	Stem cells	<b>A</b>	<b>A</b>
<b>B: Diffusion and organisation</b>	<b>AQA:</b> 4.1.3.1 –4.1.3.3, 4.2.1, 4.2.2.1 –4.2.2.7, 4.2.3.1, 4.2.3.2 <b>Edexcel:</b> B1.7–B1.9, B1.11, B1.12, B1.5, B1.7, B2.4, B2.8, B5.1–B5.3, B5.24, B5.25, B6.7–B6.13, B7.17, B8.1–B8.3, B8.5–B8.8	Transport in cells	The digestive system	The heart and blood	Non-communicable disease	Plant systems	<b>B</b>	<b>B</b>
<b>C: Infection and response</b>	<b>AQA:</b> 4.3.1.1–4.3.1.9, 4.3.3.1, 4.3.3.2, 4.6.3.7 <b>Edexcel:</b> B5.4–B5.6, B5.8–B5.14, B5.16, B5.20	Communicable diseases 1	Communicable diseases 2	Defence, prevention and treatment	New cures	Plant diseases and defences	<b>C</b>	<b>C</b>
<b>D: Bioenergetics and homeostasis</b>	<b>AQA:</b> 4.4.1.1–4.4.1.3, 4.4.2.1–4.4.2.3, 4.5.1, 4.5.2.1, 4.5.2.4, 4.5.4.1–4.5.4.3, 4.5.3.1, 4.5.3.2 <b>Edexcel:</b> B2.13, B2.14, B6.2–B6.4, B6.6, B6.15, B6.16, B7.1, B7.9,	Photosynthesis	Respiration and metabolism	Homeostasis	The brain and eye	The endocrine system	<b>D</b>	<b>D</b>

Lesson Group	Specification coverage (AQA / Edexcel)	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5	Pre-Test	Post-Test
	B7.13–B7.17, B8.9, B8.10, B8.12							
<b>E: Water balance, reproduction and DNA</b>	<b>AQA:</b> 4.5.3.4, 4.5.3.5, 4.6.1.1–4.6.1.8 <b>Edexcel:</b> B2.5, B3.1–B3.5, B3.7–B3.10, B3.12–B3.16, B3.21, B7.4–B7.7	Water and nitrogen balance	Human reproduction	Two types of reproduction	DNA	Inheritance	<b>E</b>	<b>E</b>
<b>F: Inheritance variation and evolution</b>	<b>AQA:</b> 4.6.2.1–4.6.2.5, 4.6.3.1–4.6.3.6, 4.6.4, 4.7.1, 4.7.1.2 <b>Edexcel:</b> B3.11, B3.19, B3.20, B3.22, B3.23, B4.1–B4.11, B4.14, B9.1–B9.4	Evolution	Evolution and extinction	Differences	Applied genetics	Living organisms in the environment	<b>F</b>	<b>F</b>
<b>G: Ecology</b>	<b>AQA:</b> 4.7.1.3, 4.7.1.4, 4.7.2.1–4.7.2.3, 4.7.3.1–4.7.3.6 <b>Edexcel:</b> B6.1, B9.2, B9.3, B9.6, B9.9, B9.10, B9.12–B9.15, B9.17–B9.19	Biotic factors and adaptations	Feeding and cycles	Biodiversity and waste management	Changing landscapes and biodiversity	Global warming	<b>G</b>	<b>G</b>
<b>H: Plant biology</b>	<b>AQA:</b> 4.1.1.3, 4.1.1.4, 4.1.3.1–4.1.3.3, 4.2.3.1, 4.2.3.2, 4.3.3.1, 4.3.3.2, 4.4.1.1–4.4.1.3 <b>Edexcel:</b> B1.2, B1.15, B1.17, B2.8, B5.9–B5.11, B6.2–B6.4, B6.6–B6.12, B8.1–B8.3, B8.5	Cell differentiation and specialisation	Transport in cells	Plant systems	Plant diseases and defences	Photosynthesis	<b>H</b>	<b>H</b>

## GCSE (9–1) Single Science Chemistry (Higher)

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Lesson Group	Specification coverage (AQA / Edexcel)	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5	Pre-Test	Post-Test
<b>A: Atoms and the periodic table</b>	<b>AQA:</b> 4.1.1.1–4.1.1.7, 4.1.2.1–4.1.2.6 <b>Edexcel:</b> C0.1, C0.3, C1.1, C1.3–C1.5, C1.10–C1.13, C1.15, C1.17–C1.19, C2.7, C2.8, C6.1, C6.5, C6.6, C6.12, C6.14, C6.16	Atoms, elements, compounds and mixtures	The development of the atomic model and relative electrical charges	Atomic mass, relative atomic mass and electronic structure	The periodic table and its development	Groups of elements	<b>A</b>	<b>A</b>
<b>B: Transition metals and bonding</b>	<b>AQA:</b> 4.1.3.1, 4.1.3.2, 4.2.1.1–4.2.1.5, 4.2.2.1–4.2.2.8, 4.2.3.1–4.2.3.3 <b>Edexcel:</b> C1.21, C1.27, C1.28, C1.32–C1.43, C2.1, C2.4, C5.1, C5.2	Properties of transition metals	Ionic bonding and compounds	Covalent bonding and metallic bonding	The particle theory and properties of small molecules	Structures and properties	<b>B</b>	<b>B</b>
<b>C: Quantitative chemistry</b>	<b>AQA:</b> 4.2.4.1, 4.2.4.2, 4.3.1.1–4.3.1.4, 4.3.2.1–4.3.2.5, 4.3.3.1, 4.3.3.2, 4.3.4, 4.3.5 <b>Edexcel:</b> C1.43, C1.47–C1.53, C5.8, C5.10–C5.14, C5.16, C5.18, C9.35–C9.37	Particle size and nanoparticles	Chemical equations and measurements	Moles, equations and concentrations	Percentage yield and atom economy	Concentrations and gas volume	<b>C</b>	<b>C</b>
<b>D: Chemical changes and materials</b>	<b>AQA:</b> 4.4.1.1–4.4.1.4, 4.4.2.1–4.4.2.6, 4.4.3.1–4.4.3.5, 4.10.3.1–4.10.3.3 <b>Edexcel:</b> C3.1–C3.5, C3.7, C3.8, C3.11,	Metals, oxidation and reduction	Acids and salts	Acids and pH	Electrolysis	Materials	<b>D</b>	<b>D</b>

Lesson Group	Specification coverage (AQA / Edexcel)	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5	Pre-Test	Post-Test
	C3.13–C3.16, C3.18, C3.22, C3.24, C3.25, C3.27, C3.29, C4.1–C4.7, C5.2, C5.4, C5.6, C9.38, C9.39							
<b>E: Energy changes and rates of reaction</b>	<b>AQA:</b> 4.5.1.1–4.5.1.3, 4.5.2.1, 4.5.2.2, 4.6.1.1–4.6.1.4, 4.6.2.1–4.6.2.7 <b>Edexcel:</b> C4.13, C4.14, C4.17, C5.25–C5.27, C7.3–C7.7, C7.10–C7.12, C7.14–C7.16	Exothermic and endothermic reactions	Cells, batteries and fuel cells	Rates of reaction	Reversible actions and equilibrium	Changing conditions	<b>E</b>	<b>E</b>
<b>F: Organic chemistry and resources</b>	<b>AQA:</b> 4.7.1.1–4.7.1.4, 4.7.2.1–4.7.2.4, 4.7.3.1–4.7.3.4, 4.10.3.1–4.10.3.3, 4.10.4.1, 4.10.4.2 <b>Edexcel:</b> C4.15, C4.16, C5.2, C5.4, C5.6, C5.21, C5.22, C5.24, C8.2, C8.4, C8.5, C8.16, C8.17, C9.10–C9.14, C9.16, C9.17, C9.21, C9.22, C9.25, C9.26, C9.29, C9.31, C9.33, C9.34, C9.38 C9.39	Crude oil and alkanes	Alkenes, alcohols and carboxylic acids	Polymers	Materials	Ammonia and fertilisers	<b>F</b>	<b>F</b>
<b>G: Energy changes and chemical analysis</b>	<b>AQA:</b> 4.5.1.1–4.5.1.3, 4.5.2.1, 4.5.2.2, 4.8.1.1–4.8.1.3, 4.8.2.2–4.8.2.4, 4.8.3.1–4.8.3.7 <b>Edexcel:</b> C2.5, C2.6, C2.9, C3.12, C5.25–	Exothermic and endothermic reactions	Cells, batteries and fuel cells	Purity, formulations and chromatography	Flame tests and spectroscopy	Chemical tests	<b>G</b>	<b>G</b>

# Pearson Tutoring Programme Resources Mapping



Lesson Group	Specification coverage (AQA / Edexcel)	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5	Pre-Test	Post-Test
	C5.27, C6.8, C7.10–C7.12, C7.14–C7.16, C8.23, C9.1, C9.3, C9.5, C9.8, C9.9							
<b>H: Atmosphere and resources</b>	<b>AQA:</b> 4.9.1.1–4.9.1.4, 4.9.2.1–4.9.2.4, 4.9.3.1, 4.9.3.2, 4.10.1.1–4.10.1.4, 4.10.2.1, 4.10.2.2 <b>Edexcel:</b> C2.12, C4.2, C4.8, C4.10, C4.11, C8.8–C8.13, C8.19, C8.21, C8.22, C8.24–C8.26	The Earth's atmosphere	Greenhouse gases	Atmospheric pollutants	Using the Earth's resources	Lifecycle assessments and recycling	<b>H</b>	<b>H</b>



## GCSE (9–1) Single Science Chemistry (Foundation)

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Lesson Group	Specification coverage (AQA / Edexcel)	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5	Pre-Test	Post-Test
<b>A: Atoms and the periodic table</b>	<b>AQA:</b> 4.1.1.1–4.1.1.7, 4.1.2.1–4.1.2.4, 4.1.2.6 <b>Edexcel:</b> C0.1, C0.3, C1.1, C1.3–C1.5, C1.10–C1.13, C1.15, C1.17–C1.19, C2.7, C2.8, C6.6, C6.12, C6.14, C6.16	Atoms, elements, compounds and mixtures	The development of the model of the atom	Subatomic particles	Development of the periodic table	Metals and non-metals	<b>A</b>	<b>A</b>
<b>B: Metals and bonding</b>	<b>AQA:</b> 4.1.2.5, 4.1.3.1, 4.1.3.2, 4.2.1.1–4.2.1.5, 4.2.2.1, 4.2.2.3, 4.2.2.4, 4.2.2.6–4.2.2.8, 4.2.3.1–4.2.3.3 <b>Edexcel:</b> C1.21, C1.26–C1.28, C1.31–C1.38, C1.40–C1.42, C2.1, C2.4, C3.21, C5.1, C6.1, C6.5	Metals	Ionic bonding	Covalent bonding	Metallic bonding	Structure and bonding of carbon	<b>B</b>	<b>B</b>
<b>C: Quantitative chemistry and reactivity of metals</b>	<b>AQA:</b> 4.2.2.2, 4.2.4.1, 4.2.4.2, 4.3.1.1–4.3.1.4, 4.3.3.1, 4.3.3.2, 4.4.1.1–4.4.1.3 <b>Edexcel:</b> C1.43, C1.47, C4.1, C4.3–C4.6, C5.11–C5.14, C9.35–C9.37	Nanoparticles	Conservation of mass and balanced equations	Percentage yield and atom economy	Reactivity of metals 1	Reactivity of metals 2	<b>C</b>	<b>C</b>
<b>D: Chemical changes</b>	<b>AQA:</b> 4.3.2.5, 4.4.2.1–4.4.2.5, 4.4.3.1–4.4.3.4 <b>Edexcel:</b> C1.49, C3.1–C3.3, C3.5, C3.7, C3.11, C3.13–C3.16, C3.18,	Reactions of acids	Making soluble salts	Titration	Electrolysis of molten compounds	Electrolysis of aqueous solutions	<b>D</b>	<b>D</b>

Lesson Group	Specification coverage (AQA / Edexcel)	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5	Pre-Test	Post-Test
	C3.22, C3.24, C3.25, C4.7							
<b>E: Rates of reaction and energy changes</b>	<b>AQA:</b> 4.5.1.1, 4.5.1.2, 4.5.2.1, 4.5.2.2, 4.6.1.1–4.6.1.4, 4.6.2.1–4.6.2.3 <b>Edexcel:</b> C4.13, C4.14, C5.25–C5.27, C7.3–C7.7, C7.10,, C7.11, C7.15, C7.16	Exothermic and endothermic reactions	Chemical cells and fuel cells	Reactions and graphs	Collision theory and activation energy	Reversible reactions and dynamic equilibrium	<b>E</b>	<b>E</b>
<b>F: Organic chemistry</b>	<b>AQA:</b> 4.2.1.4, 4.2.2.1, 4.2.2.5, 4.2.2.6, 4.2.3.1–4.2.3.3, 4.7.1.1–4.7.1.4, 4.7.2.1–4.7.2.4, 4.7.3.4, <b>Edexcel:</b> C1.28, C1.31, C1.35–C1.39, C1.41, C2.1, C2.4, C8.2, C8.4, C8.5, C8.16, C8.17, C9.10–C9.14, C9.16, C9.25, C9.26, C9.29, C9.31, C9.33, C9.34	Structure and bonding of carbon	Carbon compounds as fuels	Alkenes	Alcohols and carboxylic acids	Polymers	<b>F</b>	<b>F</b>
<b>G: Chemical analysis and atmosphere</b>	<b>AQA:</b> 4.1.1.2, 4.8.1.1–4.8.1.3, 4.8.2.1–4.8.2.4, 4.8.3.1–4.8.3.7, 4.9.1.1–4.9.1.4, 4.9.2.1–4.9.2.4, 4.9.3.1, 4.9.3.2 <b>Edexcel:</b> C2.5–C2.9, C3.12, C6.8, C8.8–C8.13, C8.19, C8.21–C8.26, C9.1, C9.3, C9.5, C9.8, C9.9	Purity, formulations and chromatography	Identification of common gases and ions	Earth's atmosphere	Greenhouse gases	Atmospheric pollutants	<b>G</b>	<b>G</b>

Lesson Group	Specification coverage (AQA / Edexcel)	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5	Pre-Test	Post-Test
<b>H: Fuels, polymers and using resources</b>	<b>AQA:</b> 4.2.2.5, 4.7.1.1–4.7.1.3, 4.7.3.4, 4.10.1.1–4.10.1.3, 4.10.2.1, 4.10.2.2, 4.10.3.1–4.10.3.3, 4.10.4.1, 4.10.4.2 <b>Edexcel:</b> C1.39, C2.12, C4.10–C4.12, C4.15, C4.16, C5.2, C5.4, C5.6, C5.21, C5.22, C5.24	Carbon compounds as fuels	Polymers	Obtaining potable water	Materials, life cycle assessment and recycling	The Haber process and the use of NPK fertilisers	<b>H</b>	<b>H</b>

## GCSE (9–1) Single Science Physics (Higher)

The table shows the contents of each Group of lessons, mapped to the curriculum. Some lessons may appear in more than one Group.

Lesson Group	Specification coverage (AQA / Edexcel)	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5	Pre-Test	Post-Test
<b>A: Electricity and electro-magnetism</b>	<b>AQA:</b> 4.2.1.1–4.2.1.4, 4.2.2, 4.7.1.1, 4.7.1.2, 4.7.2.1–4.7.2.4, 4.7.3.1–4.7.3.4 <b>Edexcel:</b> P10.2–P10.16, P10.18–P10.26, P12.1–P12.14, P13.1–P13.11	Current, potential difference and resistance	Resistors and series and parallel circuits	Magnetism and magnetic fields	Electro-magnetism	Electromagnetic induction	<b>A</b>	<b>A</b>
<b>B: Electricity and particle model of matter</b>	<b>AQA:</b> 4.2.3.1,, 4.2.3.2, 4.2.4.1–4.2.4.3, 4.2.5.1, 4.2.5.2, 4.3.1.1, 4.3.1.2, 4.3.2.1–4.3.2.3, 4.3.3.1–4.3.3.3 <b>Edexcel:</b> P10.27–P10.42, P11.1–P11.10, P14.1, P14.2, P14.4–P14.10, P14.12–P14.20	The domestic electricity supply	Charge and fields	Looking at matter	Temperature matters	Particles and pressure	<b>B</b>	<b>B</b>
<b>C: Atomic structure and radiation</b>	<b>AQA:</b> 4.4.1.1–4.4.1.3, 4.4.2.1, 4.4.2.2, 4.4.2.3, 4.4.2.4, 4.4.3.1, 4.4.3.2, 4.4.3.3, 4.4.4.1, 4.4.4.2 <b>Edexcel:</b> P6.1–P6.16, P6.18–P6.23, P6.25–P6.29, P6.31, P6.32	Putting an atom together	Radioactivity	Decay and half-life	Radiation around us	Fission and fusion	<b>C</b>	<b>C</b>
<b>D: Forces and power</b>	<b>AQA:</b> 4.5.1.1–4.5.1.4, 4.5.2 –4.5.4, 4.5.6.1.1, 4.5.6.3.1 <b>Edexcel:</b> P2.1–P2.4, P2.28, P3.9, P8.5–P8.8,	Motion	Resultant forces	Gravity and elasticity	Work and energy	Turning moments	<b>D</b>	<b>D</b>

Lesson Group	Specification coverage (AQA / Edexcel)	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5	Pre-Test	Post-Test
	P9.1–P9.8, P9.10, P15.1–P15.5							
<b>E: Newton and momentum</b>	<b>AQA:</b> 4.5.2, 4.5.5.1.1, 4.5.5.1.2, 4.5.5.2, 4.5.6.1.4, 4.5.6.1.5, 4.5.6.2.1–4.5.6.2.3, 4.5.7.1–4.5.7.3 <b>Edexcel:</b> P2.8–P2.11, P2.13–P2.18, P2.21–P2.26, P5.14, P8.5–P8.7, P15.7–P15.16	Work and energy	Fluid pressure	Motion and graphs	Newton’s Laws of Motion	Momentum	<b>E</b>	<b>E</b>
<b>F: Waves</b>	<b>AQA:</b> 4.6.1.1–4.6.1.5, 4.6.2.1–4.6.2.4, 4.6.2.6 <b>Edexcel:</b> P4.1–P4.16, P5.1–P5.3, P5.7, P5.8, P5.10–P5.14, P5.20–P5.24	Properties of waves	Waves in our world	Electromagnetic waves	Wave production and detection	How electromagnetic radiation is used	<b>F</b>	<b>F</b>
<b>G: Lenses and space physics</b>	<b>AQA:</b> 4.6.2.5, 4.6.3.1, 4.6.3.2, 4.8.1.1–4.8.1.3, 4.8.2 <b>Edexcel:</b> P5.4–P5.6, P5.15–P5.19, P7.1–P7.19	Lenses	Black body radiation	The Solar System and other stars	Orbits and satellites	Red-shift	<b>G</b>	<b>G</b>
<b>H: Energy</b>	<b>AQA:</b> 4.1.1.1–4.1.1.3, 4.1.2.1, 4.1.2.2, 4.1.3, 4.3.1.1, 4.3.1.2, 4.3.2.1–4.3.2.3 <b>Edexcel:</b> P3.1–P3.14, P6.17, P8.1–P8.4, P8.8, P8.10, P8.11, P8.15, P14.1, P14.2, P14.4–P14.10	Stores and systems	Power and efficiency	Energy resources	Looking at matter	Temperature matters	<b>H</b>	<b>H</b>

## GCSE (9–1) Single Science Physics (Foundation)

The table shows the contents of each Group of lessons, mapped to the curriculum. Some lessons may appear in more than one Group.

Lesson Group	Specification coverage (AQA / Edexcel)	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5	Pre-Test	Post-Test
<b>A: Energy and electricity</b>	<b>AQA:</b> 4.1.1.1–4.1.1.4, 4.1.2.1, 4.1.2.2, 4.1.3, 4.2.1.1–4.2.1.4 4.2.2 <b>Edexcel:</b> P3.1–P3.3, P3.5–P3.14, P6.17, P8.1, P8.3, P8.4, P8.10, P8.12–P8.14, P10.2–P10.16, P10.18–P10.24	Energy changes in a system	Power and efficiency	Electric circuits	Current, resistance and potential difference	Series and parallel circuits	<b>A</b>	<b>A</b>
<b>B: Electricity and particle model of matter</b>	<b>AQA:</b> 4.2.3.1,, 4.2.3.2, 4.2.4.1–4.2.4.3, 4.2.5.1, 4.2.5.2, 4.3.1.1, 4.3.1.2, 4.3.2.1–4.3.2.3, 4.3.3.1–4.3.3.2 <b>Edexcel:</b> P10.27–P10.42, P11.1–P11.10, P14.1, P14.2, P14.4–P14.10, P14.12–P14.19	Electrical energy and power	Static electricity	Particle model of matter	Internal energy and energy transfers	The particle model and gas pressure	<b>B</b>	<b>B</b>
<b>C: Atomic structure and radiation</b>	<b>AQA:</b> 4.4.1.1–4.4.1.3, 4.4.2.1–4.4.2.3, 4.4.3.2 <b>Edexcel:</b> P6.1–P6.11, P6.14–P6.16, P6.18–P6.27, P6.30, P6.35	Atomic structure	Radioactivity	Nuclear equations	Radioactive decay and half-life	Half-life of a radioactive source	<b>C</b>	<b>C</b>
<b>D: Radiation, nuclear fission, waves and lenses</b>	<b>AQA:</b> 4.4.2.4, 4.4.3.1–4.4.3.3, 4.4.4.1, 4.4.4.2, 4.6.2.3–4.6.2.5 <b>Edexcel:</b> P5.4–P5.6, P5.20–P5.24, P6.12, P6.13, P6.28–P6.46	Hazards and uses of radiation	Nuclear fission and nuclear fusion	Emission and absorption of electromagnetic waves	Use and applications of electromagnetic waves	Lenses	<b>D</b>	<b>D</b>

Lesson Group	Specification coverage (AQA / Edexcel)	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5	Pre-Test	Post-Test
<b>E: Forces</b>	<b>AQA:</b> 4.1.1.2, 4.1.1.3, 4.5.1.1–4.5.1.4, 4.5.2, 4.5.3, 4.5.4, 4.5.5.1.1, 4.5.5.2 <b>Edexcel:</b> P2.1–P2.4, P3.1, P3.2, P3.9, P8.4–P8.7, P9.1–P9.10, P15.1–P15.5, P15.7–P15.11	Forces	Work done and energy transfer	Forces and elasticity	Moments, levers and gears	Pressure in fluids	<b>E</b>	<b>E</b>
<b>F: Motion, black body radiation and Newton's laws</b>	<b>AQA:</b> 4.1.1.2, 4.1.1.3, 4.5.2, 4.5.6.1.1–4.5.6.1.5, 4.5.6.2.1–4.5.6.2.3, 4.6.2.6, 4.6.3.1, 4.6.3.2 <b>Edexcel:</b> P2.5, P2.7–P2.10, P2.13–P2.18, P2.20–P2.23, P3.1, P3.2, P5.1–P5.3, P5.15–P5.19	Work done and energy transfer	Motion along a line	Graphs of motion	Visible light and black body radiation	Newton's laws	<b>F</b>	<b>F</b>
<b>G: Waves</b>	<b>AQA:</b> 4.5.6.3.1–4.5.6.3.4, 4.6.1.1–4.6.1.3, 4.6.2.1–4.6.2.4 <b>Edexcel:</b> P2.27–P2.33, P4.1–P4.10, P5.7, P5.8, P5.10–P5.14, P5.20–P5.24	Stopping safely	Describing waves	Electromagnetic waves	Emission and absorption of electromagnetic waves	Uses and applications of electromagnetic waves	<b>G</b>	<b>G</b>
<b>H: Electro-magnetism and space physics</b>	<b>AQA:</b> 4.7.1.1, 4.7.1.2, 4.7.2.1, 4.8.1.1, 4.8.1.2, 4.8.1.3, 4.8.2 <b>Edexcel:</b> P7.1–P7.19, P12.1–P12.9	Magnetism	Electro-magnetism	The Solar System and stars	Orbital motion	Cosmology	<b>H</b>	<b>H</b>