

| | Autumn 1 (7 weeks) | Autumn 2 (7 weeks) | Spring 1 (7 weeks) | Spring 2 (5 weeks) | Summer 1 (6 weeks) | Summer 2 (7 weeks) |
|--|---|---|--|---|--|--|
| Year 7 (KS3) | Skills in Forensic Science (Practical and safety) (2) | | | | | |
| | Cells (3) | Inheritance and genome (2) <i>(Builds on Y7 Cells)</i> | From Cells to Organ systems (3.5) <i>(Builds on Y7 Cells)</i> Variation (1) | What are health and disease? (2) <i>(Builds on Y7 Cells to organ systems)</i> | Classification (1) <i>(Builds on Y7 Inheritance and genome)</i> | Changes within an organism's lifetime Reproduction (3) <i>(Builds on Y7 Cells and Inheritance units and KS2 Y5)</i> |
| | Properties and Materials (1) <i>(Builds on KS2 Yr5 Materials)</i> | Substances and mixtures (2) <i>(Builds on Y7 Properties and materials)</i> | Elements and compounds (1.5) Designing materials (1) <i>(Builds on Y7 Substances and mixtures)</i> | Sound and light (3) <i>(Builds on KS2 light and sounds Y3,4+6)</i> | Solubility (1) Chemical change (1) <i>(Builds on Y7 Substances and mixtures)</i> | Understanding chemical reactions (4) <i>(Builds on Y7 Substances and mixtures and materials)</i> |
| Forces (3) <i>(Builds on KS2 Forces Y5+6)</i> | | Solar system and beyond (2) <i>(Builds on KS2 Universe Y5)</i> | | | | |
| Year 8 (KS3) | Human Lifestyle and health (2) Biochemistry (2) <i>(Builds on Y7 Cells)</i> | Reproduction (1) <i>(Builds on to Y7 changes within an organisms lifetime)</i> | Interdependence of organisms and Organisms in their environment (2) | Health and infectious disease (2 weeks) <i>(Builds on Y7 Health and disease)</i> | Weathering and Erosion (1) <i>(Builds on Y7 Earth Resources)</i> | Biodiversity and human impacts Adaptation and Evolution (2) <i>(Builds on Y7 Inheritance and Y8 organisms and their environment)</i> |
| | Earth's Resources (3) | Understanding Chemical reactions (4) | Air Pollution (1) Evaporation and water cycle (1) <i>(Builds on Y7 Earth Resources)</i> | Energy in Reactions (1) Acids and Alkalis (2) <i>(Builds on Y7 Elements and compounds)</i> | | Periodic table (3) <i>(Builds on Y7 elements and compounds)</i> |
| | | Heating and Cooling (2) Floating and sinking | How we see (1) Moving by force (2) | Days and Seasons (1) More about force (2) Simple Electric Circuits and More about electric circuits (2) | Waves Floating and Sinking Magnets and Electromagnets (2) | |

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| Year 9 (KS3) Preparing for further study at KS4 | Cell Structure (2) <i>(Builds on Y7 Cells and Inheritance)</i> | Inheritance and the genome (2) <i>(Builds on Y7 Inheritance)</i> | Interdependence of organisms (1) <i>(Builds on Y8 Interdependence)</i> Exchange and transport (3) <i>(Builds on Y9 Cells Structure)</i> | Classification and subcellular evidence (1) <i>(Builds on Y7 Classification)</i> | Human lifecycles and health (2) <i>(Builds on Y7 and Y8 Lifestyle and infectious disease)</i> | Health and infectious disease (2) <i>(Builds on Y9 Human lifestyles and health)</i> |
| | Metallic bonding Ionic bonding (3) <i>(Builds on Y7+8 chemical reactions and periodic table)</i> | Covalent bonding (1) <i>(Builds on Y7+8 chemical reactions and periodic table)</i> Crude oil (2) <i>(Builds on Y7 Properties and materials)</i> | Rates of reaction (2) <i>(Builds on Y7+8 chemical reactions and periodic table)</i> | Catalysts (1) Chemical equilibrium (2) | Redox reactions Electrolysis and reactivity of metals (3) <i>(Builds on Y9 rates of reactions and periodic table)</i> | |
| | Energy of moving particles (2) <i>(Builds on Y7 Heating and cooling)</i> | Measuring and calculating motion (2) <i>(Builds on Y8 Forces)</i> | Energy of moving objects (2) <i>(Builds on Y7 sound and light)</i> | | Measuring waves (2) <i>(Builds on Y8 Waves)</i> | Circuit calculations (3) <i>(Builds on Y8 Simple electric circuits and More about electric circuits)</i> |

| | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
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| Year 10 (KS4) | Coordination and control <i>(Builds on Y7 Cells and organ systems) (3)</i> | Growth and development <i>(Builds on Y9 Cell biology) (2)</i> | Biochemistry <i>(Builds on Y8 Biochemistry) (3)</i> | Reproduction <i>(Builds on Y10 Coordination and control) (2)</i> | Organisms and the environment (2) <i>(Builds on Y8 Independence of organisms)</i> | Biodiversity and human impacts (2) <i>(Builds on Y8 Independence of organisms)</i> |
| | Review bonding and reactions (2) <i>(Builds on Y7+8 chemical reactions and periodic table)</i> | Acids bases and ions <i>(Builds on Y8 Acids and alkalis) (3)</i> | Quantitative chemistry <i>(Builds on Y9 Atomic structure and bonding) (2)</i> | Wave model of light (1) Nuclear Physics (3) <i>(Builds on Y9 atomic structure)</i> | Reactions and energy in reactions (2) <i>(Builds on year 8 and 9 reactions)</i> | Chemical Analysis (3) <i>(Builds on Y9 Atomic structure and bonding)</i> |
| | Particle explanations (2) <i>(Builds on Y9 Particles)</i> | Forces that make things change <i>(Builds on Y8 and 9 Forces) (2)</i> | Circuit components (2) <i>(Builds on Y9 Circuit Calculations)</i> | | Electromagnetism (2) Electric fields (1) <i>(Builds on Y8 Magnets and electromagnets)</i> | Electromagnetic waves (2) <i>(Builds on Y8 Waves)</i> |
| Year 11 (KS4) | Explaining evolution and speciation (3) <i>(Builds on and review Y9 Inheritance and genome)</i> | Maintaining health (2) <i>(Builds on and review Y9 Health and infectious disease)</i> | Priority revision intervention (using QLA and other assessments) | | Year 11 GCSE Exams (Revision using QLA information and Masterclasses) | |
| | Our Atmosphere (2) <i>(Builds on Y8 Air Pollution)</i> | Using Earth's Resources (3) <i>(Builds on metals and their uses Y9)</i> | Priority revision intervention (Using QLA and other assessments) | | | |
| | Particle Model of matter (2) <i>(Builds on and review Y9 Energy of moving particles)</i> | Mains electricity (2) <i>(Builds on Y9 Circuit calculations)</i> | Gravity in space (Triple Only) <i>(Builds on Earth and Space Y8)</i> | Priority revision intervention (Using QLA and other assessments) | | |

Content Coverage for AQA GCSE

| Paper 1 Topic | When is it covered? | Paper 2 Topic | When is it covered? |
|---|---|--------------------------------------|----------------------------|
| Cell Biology | Year 7 and 9 | Homeostasis and Response | Year 10 |
| Organisation | Year 7, 8 and 9, reviewed in year 10 | Inheritance, variation and Evolution | Year 7, 8, 9 and Year 11 |
| Infection and Response | Year 7, 8, 9 and 10 | Ecology | Year 8, 9 and Year 10 |
| Bioenergetics | Year 9 and year 10 | Rate and extent of chemical change | Year 9 and 10 |
| Atomic Structure and the Periodic table | Year 7, 8, 9 and Year 10 (linked to radiation unit) | Organic Chemistry | Year 9 and 10 |
| Bonding, structure and properties of matter | Year 7, 9 and 10 | Chemical Analysis | Year 10 |
| Quantitative Chemistry | Year 10 | Chemistry of the Atmosphere | Year 8 and 11 |
| Chemical Changes | Year 9 | Using resources | Year 11 |
| Energy Changes | Year 7, 8, 9 and 10 | Forces | Year 7, 8, 9 and 10 |
| Energy | Year 7 and 9 | Waves | Year 7 and 10 |
| Electricity | Year 7, 8, 10 and 11 | Magnetism and Electromagnetism | Year 8 and 10 |
| Particle Model of Matter | Year 7, 10 and 11 | Gravity in space | Year 11 (Triple only) |
| Atomic structure and Radiation | Year 9 and 10 | | |