Science

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year 7	**Lab Matters** Safety in the lab Laboratory equipment Using the Bunsen burner Planning and predicting Measuring solids and liquids	**Chemicals** Particles and solutions Representing data Separating mixtures Chemical safety Acids and alkalis Fire and burning	**Forces** Types of forces Gravity and weight Friction Air resistance Plotting graphs Analysing results Magnetism	**Electrical Energy** Electrical Safety Static and current electricity Measuring voltage and current Electromagnets Types of energy	**Human Body and Health** Living v non-living Major organs Investigating heart rate Immunity Keeping healthy Healthy eating	**Plants and Ecosystems** Importance of plants Parts of plants Food chains Ecosystems Ponds and woodlands Adaptation
Year 8	**Materials and their Uses** Properties of materials States of matter Solutions Elements Periodic Table Mixtures	**Chemistry Investigations** Hazard symbols Safety The pH scale and indicators Neutralisation Combustion Identifying gases	**Energy at Work** Measuring energy Fossil fuels Renewable energy resources Storing energy Heat transfer World energy problems	**Earth in Space** Forces in action The Earth Gravity The moon Stars, galaxies, and the universe Living on other planets	**How Living Things Work** What are living things made of? Plants Heart and blood Nutrition and digestion Behaviour	**Body Maintenance** Reacting to changes Food and energy Healthy choices Damage and repair
Year 9	**Making New Materials** Simple chemical reactions Speeding up and slowing down Reactive metals Metals from ores Useful chemical reactions	**Pollution and Atmosphere** Recycling waste How clean is water? Oil pollution Acid rain Global warming Smoking	**Electricity and Magnetism** Using complete circuits Voltage, current and resistance Safer electricity Magnetic fields Making electricity	**Waves** Properties of a wave Sound waves Making music Light Waves Reflection and refraction Electromagnet waves	**Genetics and Reproduction** Plant reproduction Human reproduction Variation and inheritance Genes and DNA Natural/artificial selection	**Ecology** Classifying living things Plants and photosynthesis Habitats Food chains and webs Threats to wildlife and conservation

Year 10 **Entry Level Science (AQA)**	**Elements, mixtures, and compounds** Atoms, elements, and compounds How structure affects properties Separating mixtures Metals and alloys Polymers	**Conduction of heat and electricity** Chemistry Investigative coursework: Thermal conduction of different metals	**Energy, Forces, and the Structure of Matter** Energy and energy transfers Energy resources Forces and work Speed Stopping distances Atoms and nuclear radiation	**Contact and non-contact forces** Friction Physics Investigative coursework: Factors that affect the force needed to move an object	**The Human Body** Cells, tissues, organs, and organ systems Respiration Healthy living Diseases and the blood Medicine Nerves and hormones	**Circulatory System** Biology Investigative coursework: Factors that affect pulse rate
Year 10 **GCSE Science (AQA)**	**Building Blocks** States of matter Atomic structure Cells in animals and plants Waves	**Transport Over Larger Distances** Systems in the human body Plants and photosynthesis Lifestyle and health	**Interactions with the Environment** Radiation and risk Preventing, treating, and curing diseases	**Explaining Change** The Earth's atmosphere Ecosystems and biodiversity	**Inheritance, variation, and evolution** Recap and revision Mock exams: Papers 1 & 2	**Building Blocks for understanding** The periodic table Chemical quantities Structure and bonding
Year 11 **Entry Level Science (AQA)**	**Chemistry in Our World** Reactions of acids Energy of reactions Earth's atmosphere Fuels and environmental impacts Water for drinking	**Chemistry Investigative coursework** Rates of Reactions Factors that affect the rate of reactions	**Electricity, Magnetism and Waves** Electrical current Domestic electricity Magnetism Different types of waves Electromagnetic waves	**Physics Investigative coursework** Electromagnetism Factors that affect the strength of an electromagnet	**Environment, Evolution, and Inheritance** Feeding relationships Competition, habitats, and pollution Evolution, natural selection, and artificial selection Sexual and asexual reproduction Genetics	**Investigative coursework** Population sampling Quadrats Factors that affect the abundance and distribution of plants
Year 11 **GCSE Science (AQA)**	**Movement and Interaction 1** Forces and energy changes Forces and motion Electricity and electromagnetism	**Movement and Interaction 2** Acids and alkalis The rate and extent of chemical change	**Sustainable Future** Atoms and Ions Carbon chemistry Resources of materials and energy	**Exam Preparation** Recap and Revision Revisit required practical investigations **Mock Exams (Papers 3 & 4)**	**GCSE Exams Begin** Strategies for success Further revision and exam preparations **GCSE Paper 1**	**GCSE Exams** **GCSE Paper 2** **GCSE Paper 3** **GCSE Paper 4**