

# Science

Autumn Term	Spring Term	Summer Term	Skills/Assessment
How Science Can Save the Future Core; Principles of chemistry; States of matter and energy; Elements, compounds and mixtures; Atomic structure; The effects of state on density; Newton's Laws	Phenotypes and Genotypes; Types of Chemical Reactions; Identifying reactants and products; Electricity and charge; Magnetic attraction as a force; The electromagnetic spectrum	Surface area to volume; Revision; Past papers; Catalysts and activation energy; Global warming; Energy; Exam practice	GCSE Past paper Questions Summary Questions End of topic Questions Mock GCSE Practical Task  GCSE Exams
Global Challenges; Introduction to Science; States of matter; Elements, compounds and mixture; Atoms; density; forces	Gene Inheritance; Chemical Reactions; Reactants and products; Electricity; Magnetism; Waves and radioactivity	Scaling Up; Exam technique; Controlling Chemical Reactions; Global challenges; Energy;	GCSE Past paper Questions Summary Questions End of topic Questions Mock GCSE (end of year 10)
Different types of cells; Human reproduction; Lab safety; Cell structure; Working scientifically; States of matter; Acid and alkaline reactions	Control Systems; Fooling your senses; Bodily functions; Working scientifically; Properties of materials; How alternative energy sources work; Charge, attraction and repulsion	Gas exchange and respiration; Casualty; Mitosis and asexual reproduction; Working scientifically; Contact and non-contact forces; Space exploration and astrophysics	End of unit test  Practical tasks  Designing Experiments
Dead or Alive Cells; Reproduction; Lab safety; Animal and plant cells; Becoming better scientists; Changes of state; pH	Bodily functions; The five senses; Working scientifically; Materials; Alternative energy; Attractive forces	Respiration; Casualty; Sexual and asexual reproduction; Working scientifically; Forces; Space, the final frontier	End of topic assessments  Practical Activities
Life and Death; how we are made; lab safety; cells; how to be a scientist; melting and freezing; acids and alkalis	Different parts of the body; how we see the world; working scientifically; materials; how we get electricity; magnets	Gasping For Breath; Cause and effect; Reproduction; Working scientifically; Push and pull; Space	End of topic assessments  Practical Activities

Year 11

Year 10

Year 9

Year 8

Year 7