

Key Stage 3

Subject: Science

Intent

In Science we aim to develop our students investigative and enquiry skills, as well as their use of appropriate scientific terminology. All of this will take place in an enthusing and engaging manner to help create the scientists of tomorrow. We want our students to be inquisitive, we want our students to challenge themselves and the world around them and give them the skills to be able to make informed decisions. In our school students will experience differentiated and stimulating activities that not only cover the basics of the national curriculum for this key stage, but beyond them as well, setting them up for the challenges associated with key stage 4.

Programme of study and assessment

	Autumn Term	Spring Term	Summer Term
Year 7	Cells and Tissues Particles Magnets and Electricity Animal Reproduction Atoms and Elements Forces and Effects	Photosynthesis Earth and Atmosphere Motion Muscles and Bones Pure and Impure Substances Exploring Space	Environment and Adaptations Acids and Alkalis Energy Transfers Variation and Classification Simple Chemical Reactions Sounds and Waves
Assessment	Multiple Choice Test 1 Topics include: <ul style="list-style-type: none">• Cells and Tissues• Particles• Magnets and Electricity Written Test 1 Topics include: <ul style="list-style-type: none">• Animal Reproduction• Atoms and Elements• Forces and Effects	Multiple Choice Test 2 Topics include: <ul style="list-style-type: none">• Photosynthesis• Earth and Atmosphere• Motion Written Test 2 Topics include: <ul style="list-style-type: none">• Muscles and Bones• Pure and Impure Substances• Exploring Space	Multiple Choice Test 3 End of Year Exam ALL TOPICS TESTED
Year 8	Microbes Periodic Table Electromagnets	Drugs and Health Extracting Metals Domestic and Static Electricity	Food and Digestion Describing Reactions Heat Transfer

	Respiration Compounds Light and Waves	Lungs and Gas Exchange Reactions of Acids Application of Forces	Inheritance and Evolution Practical Science Energy Resources
Assessment	Multiple Choice Test 1 Topics include: <ul style="list-style-type: none"> • Microbes • Periodic Table • Electromagnets Written Test 1 Topics include: <ul style="list-style-type: none"> • Respiration • Compounds • Light and Waves 	Multiple Choice Test 2 Topics include: <ul style="list-style-type: none"> • Drugs and Health • Extracting Metals • Domestic and Static Electricity Written Test 2 Topics include: <ul style="list-style-type: none"> • Lungs and Gas Exchange • Reactions of Acids • Application of Forces 	Multiple Choice Test 3 End of Year Exam ALL TOPICS TESTED
Year 9	Energy Atoms Cells under the microscope Electricity Chemical Bonding Movement of Molecules	Particle Model Acids and Metals Transport in Plants Forces Crude Oil Transport in Animals	Waves Separation Techniques Immunity Magnetism Earth and Atmosphere Ecology
Assessment	Multiple Choice Test 1 Topics include: <ul style="list-style-type: none"> • Energy • Atoms • Cells under the microscope Written Test 1 Topics include: <ul style="list-style-type: none"> • Electricity • Chemical Bonding • Movement of Molecules 	Multiple Choice Test 2 Topics include: <ul style="list-style-type: none"> • Particle Model • Acids and Metals • Transport in Plants Written Test 2 Topics include: <ul style="list-style-type: none"> • Forces • Crude Oil • Transport in Animals 	Multiple Choice Test 3 End of Year Exam ALL TOPICS TESTED