

Yr8 Term 1 Science

Unit	Summary	Skills	Assessment	British Values and SMSC	Career links	Cross-curricular links
Atoms and Bonding	<p>Building on Year 7 content</p> <p>Determining the number of sub-atomic particles in an atom</p> <p>Drawing the structure of the atom</p> <p>Structure and properties of metals and alloys</p> <p>Drawing ions</p>	<p>Interpreting data</p> <p>Simple calculation</p> <p>Making observations</p> <p>Recognising Hazards</p>	<p>Low stakes marking opportunity.</p> <p>HW on SENECA</p> <p>Part of the End of Term Test 1</p>	<p>sense of enjoyment and fascination in learning about themselves, others and the world around them, including the intangible use of imagination and creativity in their learning</p>	<p>Chemist, Pharmacist, Doctor, Veterinarian, Nurse, Cleaner,</p>	<p>Maths, Design Technology, Art,</p>
Cells and Tissue	<p>Building on Year 8 content</p> <p>Identifying cells as Prokaryotes or Eukaryotes</p> <p>Describe the form and function of Bacterial cells.</p> <p>Form and function of specialised cells Nerve cell, Ciliated cell, Xylem, Phloem</p> <p>Complete simple calculations using: Image size = Actual size x Magnification</p> <p>Rearrange the equation: Image size = Actual size x Magnification</p>	<p>Making slides</p> <p>Using microscopes</p> <p>Writing methods</p> <p>Completing simple calculations to determine, Magnification, or Actual size of a cell.</p>	<p>Low stakes marking opportunity.</p> <p>HW on SENECA</p> <p>Part of the End of Term Test 1</p>	<p>interest in investigating, and offering reasoned views about, moral and ethical issues.</p>	<p>Doctor, Veterinarian, Nurse, epidemiologists, Virologists, pharmacist, biologists. Nutritionist</p>	<p>Maths, Technology, Food Tech</p>

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	Describe and explain diffusion Gives examples of diffusion in plants and animals					
Waves	Draw and label transverse and longitudinal waves. Explain how sound waves form and travel Interpret sound waves Recognise and state the law of reflection	Method writing Interpreting data Predicting phenomena	Low stakes marking opportunity. HW on SENECA Part of the End of Term Test 1	sense of enjoyment and fascination in learning about themselves, others and the world around them, including the intangible use of imagination and creativity in their learning	Physicist, Astronaut, Telecommunications, space science, ESA / NASA	Maths, Design Technology, Art
Periodic Table	Recognise how Mendeleev developed the periodic table Draw the structure of the atom State the names of group 1, 2 and 0 State the properties of group 1,2 and 0	Making predictions Constructing word and symbol equations Identifying patterns Interpreting data	Low stakes marking opportunity. HW on SENECA Part of the End of Term Test 1	sense of enjoyment and fascination in learning about themselves, others and the world around them, including the intangible use of imagination and creativity in their learning	Engineer, Chemist, Pharmacist, Vet, Nurse, Doctor, Botanist	Maths, Design Technology, Food Tech