

Unit	Summary	Skills	Assessment	British Values and SMSC	Career links	Cross-curricular links
Molecules	Define the terms element, atom, and compound Describe and explain rusting Describe chemical reactions using symbol and word equations	Method writing Interpreting data Making predictions Writing conclusions Practical skills	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	Doctor, Nurse, Microbiologist, Oncology, Immunology, Veterinarian, Physio, chemist, pharmacist	DT, MATHS, FOOD TECH
Forces and Pressure	Describe weight and the normal force Explain why objects float or sink To be able to define and calculate pressure	Method writing Collecting data Practical skills Calculations	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, Graphic designer, astronaut	DT, MATHS, TECH
Metal Reactivity	Write word and symbol equations  Describe reactions between acids and metals  Reactivity of metals  Extracting metals	Planning a method  Interpreting results  Assessing risk	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	Engineering, Product Design,	DT, MATHS, FOOD TECH
Cells and Tissue	Building on Year 7 content  Identifying cells as Prokaryotes or Eukaryotes  Describe the form and function of Bacterial cells.	Making slides  Using microscopes  Writing methods	Low stakes marking opportunity. HW on SENECA Part of the End of Term Test 1	interest in investigating, and offering reasoned views about, moral and ethical issues.	Doctor, Veterinarian, Nurse, epidemiologists, Virologists, pharmacist, biologists. Nutritionist	Maths, Technology, Food Tech

# Yr8 Term 1 Science

	<p>Form and function of specialised cells Nerve cell, Ciliated cell, Xylem, Phloem</p> <p>Complete simple calculations using:  <b>Image size = Actual size x Magnification</b></p> <p>Rearrange the equation:  <b>Image size = Actual size x Magnification</b></p> <p>Describe and explain diffusion  Gives examples of diffusion in plants and animals</p>	<p>Completing simple calculations to determine, Magnification, or Actual size of a cell.</p>				
Biological Energy	<p>Describe the function of plant organs  Describe and explain photosynthesis</p>	<p>Identify patterns  Making conclusions  Practical skills</p>	<p>Low stakes marking opportunity.  HW on SENECA  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>Engineering, Product Design,</p>	<p>DT, MATHS, FOOD TECH</p>