

Yr9 Term 2 Science

Unit	Summary	Skills	Assessment	British Values and SMSC	Career links	Cross-curricular links
Electrolysis and Reactivity	Describe and explain the reactivity of group 1 metals Explain how metals are extracted from their ore Describe and explain simple electrolysis	Describe a method Make predictions Balance equations Select correct equipment	Low stakes marking opportunity. HW on SENECA HW past exam question, self-marked Part of the End of Term Test 2	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	Chemist, pharmacist, nutritionist, material scientists, geologist.	Maths, Design Technology, Food Tech
Salts	Construct word and symbol equations to represent reactions between: Acid + Metal Acid + Base Acid + Alkali Name soluble salts based on the acid and metals Write an ionic equation for neutralisation	Describe a method Make predictions Balance equations Select correct equipment	Low stakes marking opportunity. HW on SENECA HW past exam question, self-marked Part of the End of Term Test 2		Chemist, pharmacist, nutritionist	Maths, Technology, Food Tech
Microbes	Label a Bacteria and Fungi cell Name the pathogens. Bacteria, Virus, Fungi and Protista. Recognise the relative size of microbes Describe how Yeast and bacteria are used in food and drink production Give examples of diseases caused by each Pathogen. Describe and explain how white blood cells fight off infection Describe an aseptic technique	Interpret data Evaluate data Describe a method	Low stakes marking opportunity. HW on SENECA HW past exam question, self-marked Part of the End of Term Test 2	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 interest in investigating, and offering reasoned views about, moral and ethical issues.	Doctor, epidemiologist, nurse, vet, parent,	Maths, Design Technology, Art

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	Explain the importance of vaccines and her immunity					
Energy Transfers	Describe and explain conduction, convection and radiation and apply this to real world examples	Interpret data Evaluate data Describe a method	Low stakes marking opportunity. HW on SENECA HW past exam question, self-marked Part of the End of Term Test 2	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 interest in investigating, and offering reasoned views about, moral and ethical issues.	Doctor, epidemiologist, nurse, vet, parent,	Engineer, thermodynamics
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