

Year 8 Curriculum Overview [2021-2022]

Subject – Science

Autumn Term	Knowledge & Understanding			Literacy Skills Opportunities for developing literacy skills	Employability Skills [if any]	Assessment Opportunities
	Composites	Components [includes understanding of KEY concepts & subject specific vocab]	Formal Retrieval [if any]			
HT1	Laboratory safety/ Acids and Alkalis	<ul style="list-style-type: none"> Laboratory safety Equipment Hazards Indicators Acidity and Alkalinity Neutralisation 				Assessment Point 1 Class Assessment: Acids and alkalis and Food and nutrition.
	Food and Nutrition	<ul style="list-style-type: none"> Nutrients Testing Foods Digestion Absorption and diffusion 	<ul style="list-style-type: none"> Fitness Muscles Breathing 	<ul style="list-style-type: none"> Weighting and bias – Scientific reports 	<ul style="list-style-type: none"> Dietitian 	
HT2	Electricity	<ul style="list-style-type: none"> Switches and currents Series and parallel circuits Changing the current Using electricity 	<ul style="list-style-type: none"> Energy forms 	<ul style="list-style-type: none"> Using tables 	What is an apprenticeship? <ul style="list-style-type: none"> Apprenticeships at the National Grid 	Assessment point 2 Food and Nutrition, Acid and alkalis and Electricity Ecosystems and plant growth.
	Ecosystems and Plant growth	<ul style="list-style-type: none"> Variation Adaptations Classification and Biodiversity Types of reproduction Pollination Germination and growth – prac (peas link to ks4). Plant adaptations 	<ul style="list-style-type: none"> Human reproductive organs 	<ul style="list-style-type: none"> Structuring paragraphs 	<ul style="list-style-type: none"> Environmental Planners Environmental Geneticist Zoologist Veterinary Nurse Wildlife Biologist 	

Year 8 Interim Curriculum Overview [2021-2022]

Subject – Science

Summer Term	Knowledge & Understanding			Literacy Skills Opportunities for developing literacy skills	Employability Skills [if any]	Assessment Opportunities
	Composites	Components [includes understanding of KEY concepts & subject specific vocab]	Formal Retrieval [if any]			
HT5	Energy Transfers	<ul style="list-style-type: none"> Temperature Changes Transferring Energy Power and Efficiency Paying for Energy 	<ul style="list-style-type: none"> Energy stores Breathing & Respiration 	<ul style="list-style-type: none"> WS Accuracy and Precision 	Energy Production Insulation installation	Assessment Point 5 Examination Acids and Alkalis, Food and Nutrition, Electricity, Combustion and the atmosphere, Fluids, Ecosystems and Plant growth, Breathing and Metals and their uses
	Microorganisms	<ul style="list-style-type: none"> Unicellular or multicellular Microscopic fungi Bacteria Protoctists Decomposers and carbon cycle 	<ul style="list-style-type: none"> Cells The Periodic Table 	<ul style="list-style-type: none"> Using modal verbs to show degrees of certainty. 	What is a microbiologist?	
HT6	The Periodic Table	<ul style="list-style-type: none"> Elements Chemical properties and formula Mendeleev's table 	<ul style="list-style-type: none"> Atoms and elements 	<ul style="list-style-type: none"> Using sentences to explain ideas. 	Make up scientist	
	Light	<ul style="list-style-type: none"> Light Reflection Refraction Colour 	<ul style="list-style-type: none"> Waves – sound (Yr 7) 	<ul style="list-style-type: none"> Preparing and presenting 	Working in the film industry	