

Year group: Year 7 & 8		Subject: Science		
Term 1 - Focus	Outcomes	The link to curriculum aims. Why teach this and why now?	Linked to:	Promoting SMSC
Scientific enquiry and introduction to methods, processes and skills Yr 7 & 8 Chemical reactions (home chemical focus)	<ul style="list-style-type: none"> Awareness of science safety Using equipment appropriately and safely Introduction to scientific investigations 	Introduction to scientific thinking, many pupils new to school.	<ul style="list-style-type: none"> - Communication and interaction - Self-care and independence - Social, emotional mental health - Cognition and learning - Physical and Sensory 	Social- Work related learning. Social development between peers Moral- Offer reasoned views on your thoughts. Following school rules. Spiritual- enjoy learning about oneself, others and the surrounding world Cultural- Understand, accept, respect and celebrate your own learning as well as your peers
	<ul style="list-style-type: none"> Awareness of chemicals in the home Safe use of chemicals. Conduct a chemical reaction 	Introduction to scientific methods and processes (work in a group)		
Term 2 - Focus	Outcomes	The link to curriculum aims. Why teach this and why now?	Linked to:	

<p>Yr 7 Investigating senses -basic awareness Yr 8 - Hearing (link to WW2 sounds)</p> <p>Yr 7 - living things in their habitats (adaptations) Yr 8 Food chains (predators and prey)</p>	<ul style="list-style-type: none"> Name and describe the senses. Link senses to their organs Senses investigation 	<p>Pupils to develop an understanding of their senses. (yr7)</p> <p>Pupils to develop an understanding of their sense of hearing and how to protect it.</p>	<ul style="list-style-type: none"> Communication and interaction Self-care and independence Social, emotional mental health Cognition and learning Physical and Sensory 	<p>Social-</p> <p>Moral- Offer reasoned views on your thoughts. Following school rules. Looking after our environment</p> <p>Spiritual- enjoy learning about oneself, others and the surrounding world</p> <p>Cultural- Understand, accept, respect and celebrate your own learning as well as your peers</p>
<p>Term 3 - Focus</p>	<p>Outcomes</p>	<p>The link to curriculum aims. Why teach this and why now?</p>	<p>Linked to:</p>	<p>Promoting SMSC</p>
<p>Yr 7 - Basic circuits, Yr 8 States of matter</p>	<ul style="list-style-type: none"> Create a basic circuit. Identify some circuit symbols. Explain what happens if a circuit is broken. 	<p>Topic link yr 7 - technology.</p> <p>Yr 8 natural progression in understanding of chemistry</p>	<ul style="list-style-type: none"> Communication and interaction Self-care and independence Social, emotional mental health Cognition and learning 	<p>Social- Relating learning to real life settings. Work related learning. Social development between peers</p> <p>Moral- Offer reasoned views on your thoughts. Following school rules.</p>

<p>Yr 7 & 8 Life processes</p>	<ul style="list-style-type: none"> • Be able to identify and describe solids, liquids and gases. • Use key vocabulary for changes of state. • The seven life processes. • MRS NERG (Yr7 identify, yr 8 describe) 	<p>Developing awareness what it means to be alive.</p>	<ul style="list-style-type: none"> - Physical and Sensory 	<p>Spiritual- enjoy learning about oneself, others and the surrounding world</p> <p>Cultural- Understand, accept, respect and celebrate your own learning as well as your peers</p>
<p>Term 4 - Focus</p>	<p>Outcomes</p>	<p>The link to curriculum aims. Why teach this and why now?</p>	<p>Linked to:</p>	
<p>Yr 7 - How light works Yr 8 - Senses The eye</p>	<ul style="list-style-type: none"> • Light sources, shadows and reflection. • Introduction of keywords. • Structure and function of eyes • How to protect eyes. 	<p>Building on prior learning.</p> <p>Pupils to develop an understanding of their sense of sight and how to protect it.</p>	<ul style="list-style-type: none"> - Communication and interaction - Self-care and independence - Social, emotional mental health 	
<p>Yr 7 Living and non-living Y8 lifecycles (Living egg project)</p>	<ul style="list-style-type: none"> • Review MRS NERG • Describe different types of life cycles. 	<p>Building on prior learning.</p> <p>Living Egg Project in school.</p>	<ul style="list-style-type: none"> - Cognition and learning - Physical and Sensory 	

Year group:		Subject:		
Term 5 - Focus	Outcomes	The link to curriculum aims. Why teach this and why now?	Linked to:	Promoting SMSC
Yr 7 & Yr 8 - Acids and alkalis	<ul style="list-style-type: none"> Learning which substances are acid, alkali, and neutral. Learning to use acids and alkalis safely 	Home safety. Developing science practical skills.	<ul style="list-style-type: none"> - Communication and interaction - Self-care and independence - Social, emotional mental health - Cognition and learning - Physical and Sensory 	Social- Community visits Relating learning to real life settings. Work related learning. Social development between peers Moral- Offer reasoned views on your thoughts. Following school rules. Spiritual- enjoy learning about oneself, others and the surrounding world Cultural- Understand, accept, respect and celebrate your own learning as well as your peers
	<ul style="list-style-type: none"> Observing and investigating local habitats. Develop fieldwork skills. 	Awareness of the world around us. Suitable climate for outdoor activities. Link to forest school		
Yr 7 & 8 - Exploring plants and animals in their local habitats				
Term 6 - Focus	Outcomes	The link to curriculum aims. Why teach this and why now?	Linked to:	
Sorting animals - Classification	<ul style="list-style-type: none"> Identifying and describing features of animals Comparing different animals and identifying similarities and differences 	Building on prior learning. Continue to develop an understanding of the impact of changes to the environment on other living things.	<ul style="list-style-type: none"> - Communication and interaction - Self-care and independence 	

<p>Yr 7 & 8 - Day, night, years and planets</p>	<ul style="list-style-type: none"> • Describe how the movement of the Earth is linked to day & night. • Suggest how a year is defined. • Compare conditions on different planets 	<p>Awareness of the world around us. Encouraging pupil special interest.</p>	<ul style="list-style-type: none"> - Social, emotional mental health - Cognition and learning - Physical and Sensory 	
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