

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"> <li>Awareness of science safety</li> <li>Using equipment appropriately and safely</li> <li>Introduction to scientific investigations</li> </ul>	Introduction to scientific thinking, many pupils new to school.	<ul style="list-style-type: none"> <li>- Communication and interaction</li> <li>- Self-care and independence</li> <li>- Social, emotional mental health</li> <li>- Cognition and learning</li> <li>- Physical and Sensory</li> </ul>	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"> <li>Awareness of chemicals in the home</li> <li>Safe use of chemicals.</li> <li>Conduct a chemical reaction</li> </ul>	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"> <li>Name and describe the senses.</li> <li>Link senses to their organs</li> <li>Senses investigation</li> </ul>	<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"> <li>Communication and interaction</li> <li>Self-care and independence</li> <li>Social, emotional mental health</li> <li>Cognition and learning</li> <li>Physical and Sensory</li> </ul>	<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>
	<ul style="list-style-type: none"> <li>Describe the features of animals that suit them to their habitats</li> <li>Develop an understanding of the interconnectedness of living things.</li> </ul>	<p>Pupils have increased awareness of adaptation of animals.</p> <p>Begin to develop an understanding of the impact of changes to the environment.</p>		
Term 3 - Focus	Outcomes	The link to curriculum aims. Why teach this and why now?	Linked to:	Promoting SMSC
<p>Yr 7 - Basic circuits, Yr 8 States of matter</p>			<ul style="list-style-type: none"> <li>Communication and interaction</li> <li>Self-care and independence</li> <li>Social, emotional mental health</li> <li>Cognition and learning</li> </ul>	<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>
	<ul style="list-style-type: none"> <li>Create a basic circuit.</li> <li>Identify some circuit symbols.</li> <li>Explain what happens if a circuit is broken.</li> </ul>	<p>Topic link yr 7 - technology.</p> <p>Yr 8 natural progression in understanding of chemistry</p>		

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

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  Yr 7 & 8 - Exploring plants and animals in their local habitats	<ul style="list-style-type: none"> <li>Learning which substances are acid, alkali, and neutral.</li> <li>Learning to use acids and alkalis safely</li> </ul>	Home safety. Developing science practical skills.	<ul style="list-style-type: none"> <li>- Communication and interaction</li> <li>- Self-care and independence</li> <li>- Social, emotional mental health</li> <li>- Cognition and learning</li> <li>- Physical and Sensory</li> </ul>	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"> <li>Observing and investigating local habitats.</li> <li>Develop fieldwork skills.</li> </ul>	Awareness of the world around us.  Suitable climate for outdoor activities. Link to forest school		
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"> <li>Identifying and describing features of animals</li> <li>Comparing different animals and identifying similarities and differences</li> </ul>	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"> <li>- Communication and interaction</li> <li>- Self-care and independence</li> </ul>	

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