

Week	1	2	3	4	5			
	8.1	15.1	22.1	29.1	5.2			
Key Question	What Makes Sheffield Green?							
School Value	Try New Things and Do Your Best							
Links to careers	author, graphic designer, architect, geographer, engineer, author							
Enrichment opportunities		Visit to Lydgate Park to look at mechanisms.			Invite parents/carers to see the children's finished parks			
SMSC Links			23 rd National Handwriting Day! 25 th Burns Night	National Storytelling Week	6 th Safer Internet Day Cover during computing lessons.			
British Values	Tolerance and Respect							

Themed days			<p><u>23rd National Handwriting Day</u></p> <p>'Me and my name' theme. Use lots of different writing tools.</p> <p>Invite parents in? Children to be the teacher and teach their parent letter formation using the rhymes?</p>	<p><u>30th Storytelling Day</u></p> <p>Author to visit></p> <p>Mystery reader - teachers to move classes and read a story?</p> <p>Use story cubes or spinners to write a story as a class? Or Independently?</p>				
Themed assemblies	<p><u>The lives of significant individuals who have contributed to national and international events & achievements</u></p> <ul style="list-style-type: none"> I understand that people often cause change and this can have long term impact. 		<p><u>Composing & Creativity</u></p> <ul style="list-style-type: none"> I can explore and compare a wider range of instruments from school stock. 	<p><u>Composing & Creativity</u></p> <ul style="list-style-type: none"> I can choose sounds effectively to create a particular effect (link to storytelling). I can give reasons for my choices. 	<p><u>Composing & Creativity</u></p> <ul style="list-style-type: none"> I can begin to use notation to instruct peers. <p><u>Creativity</u></p> <ul style="list-style-type: none"> I can explore and compare a wider range of instruments from school stock. I can begin to use notation to instruct peers 			
Golden Thread	Science	Science	Science <u>Everyday Materials</u>	Science	Science	Science		

	<p>Autumn 2 <u>Retrieve & Recall</u></p> <p><u>Y1</u> Identify different materials and describe their physical properties.</p> <p><u>Y2</u> Match materials to their different uses, based on their properties.</p>	<p><u>Working Scientifically:</u> Use a measuring jug to pour the same amount of water into various containers. Use measuring jugs and syringes.</p> <p><u>Key q: Why is this an important skill for a scientist?</u></p>	<p><u>Y1</u> <u>Working Scientifically:</u> Q: Which objects float? Open ended task where children work in small groups to answer the question.</p> <p>Describe the results using the rocket words.</p> <p><u>Everyday Materials</u></p> <p><u>Y2</u> <u>Working Scientifically:</u> Q: Which materials are waterproof? Complete class Discovery Dog then work in small groups to answer the question. Describe the results using the rocket words.</p>	<p><u>Working Scientifically:</u> Explain that we are exploring the properties of different materials. Discuss rocket words covered so far.</p> <p>Show children a thermometer and collect ideas about how one works and what we use them for.</p> <p>Children to work in small groups to use a thermometer accurately to record temperature.</p> <p>Try out different materials to see which one is the best insulator.</p>	<p><u>Theme book:</u> Winter Sleep Read the story, discussing seasonal change.</p> <p>Why did Granny say 'If you can find it'?</p> <p><u>Everyday Materials</u></p> <p><u>Y1</u> Compare and group together a variety of materials based on whether they would make a good hibernation shelter. Are they: warm? waterproof? buoyant?</p> <p><u>Everyday Materials</u></p> <p><u>Y2</u> Identify and compare the suitability of a variety of materials as a good hibernation shelter. Are they good insulators?</p>	<p>Retrieve and recall activity in class.</p> <p>Y1 To share their fluency of knowledge about everyday materials and their physical properties.</p> <p>Y2 To share their fluency of knowledge about everyday materials and their suitability.</p>		
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Spring 1 2023-24 Cycle A

Whole School Overview and Science MTP

					Waterproof? Durable? Can they be changed to be more comfortable?			
	<p>DT</p> <p><u>Technical skills:</u> Children to join (attach) two pieces of paper/card together using different techniques.</p> <ul style="list-style-type: none"> - Tabs - Slot - L brace - Tie - Flange <p>(see laminated resource cards)</p>	<p>DT</p> <p><u>Evaluate:</u> Go through ppt about simple mechanisms.</p> <p>Visit Lydgate Park and look at simple mechanisms in action!</p> <p>Photograph.</p> <p>Return to school:</p> <ul style="list-style-type: none"> - What simple mechanisms did we see in the park? - How do they work? - Label a photograph from the visit with the type of mechanism and how it works. 	<p>DT</p> <p><u>Design:</u> Go through the design brief.</p> <p><i>To design a new park in Broomhill for the purpose of entertaining local school children.</i></p>	<p>DT</p> <p><u>Make & Technical skills:</u></p> <p>Children to work in small groups to make their local playground. It must include a simple mechanism and different joining techniques.</p>	<p>DT</p> <p><u>Make & Technical skills:</u></p> <p>Children to work in small groups to make their local playground. It must include a simple mechanism and different joining techniques.</p>	Evaluate in class.		
Lesson	1	2	3	4	5			

<p>National Curriculum KS1</p>	<p><u>Year 1</u> Everyday materials Compare and group together a variety of everyday materials on the basis of their physical properties.</p> <p><u>Year 2</u> Everyday materials Identify and compare the suitability of a variety of everyday materials, for particular uses.</p>					<p>END POINT</p>		
<p>Substantive Knowledge</p>	<p>Y1: To know the different materials and describe their physical properties.</p> <p>Y2: To know the different uses of materials based on their properties.</p>	<p>N/A</p>	<p>Y1: To know the physical properties of a variety of everyday materials.</p> <p>Y2: To know how to identify and compare the suitability of a variety of everyday materials.</p>	<p>To know and compare a variety of everyday materials on the basis of their simple properties.</p>	<p>Y1: To know, compare and group together a variety of everyday materials based on their properties.</p> <p>Y2: To identify and compare the suitability of a variety of everyday materials.</p>			

Key vocabulary		<p>Y1 all children: strong, materials, float, sink, light, heavy, property</p> <p>Y1 some children: suitability, structure, properties, buoyant, insulator</p> <p>Y2 all children: waterproof, construction, durable, property, suitability, structure, fair test</p> <p>Y2 some children: obstacle, variable, durable, force.</p>						
Disciplinary skills	KS1	<p>To use their observations and ideas to suggest answers to questions.</p>	<p>To perform simple tests.</p> <p>To use simple equipment to observe closely.</p>	<p>To gather and record data to answer simple questions.</p>	<p>To perform simple tests.</p> <p>To use simple equipment to observe closely.</p>	<p>To use their observations and ideas to suggest answers to questions.</p>		

Y1	Identify, observe and describe.								
Y2	Describe, compare and contrast, reason								