






















Year	Knowledge				Skills
<p><b>EYFS</b></p> <p><b>Term 1</b></p> <p><b>Year B</b></p>	<p><u>Focus:</u> Why Did the Little Pig Build his house of Bricks?</p> <p><u>Early Years Outcomes (Development Matters)</u></p> <p><b>ELG: Understanding the World –</b> Know some similarities and differences between what things are made from, drawing on their experiences and what has been read in class.</p> <p><u>Contributing towards:</u> Hard or Soft? Rough or Smooth?</p>				<p><b><u>Knowledge Skills and Understanding</u></b></p> <ul style="list-style-type: none"> <li>Describe what they see, hear and feel whilst outside.</li> <li>Identify and name a variety of everyday materials</li> <li>Distinguish between an object and the material it is made from</li> <li>Describe the simple properties of everyday materials</li> </ul>
	<p><u>Objective</u></p> <p>To name and identify wood, plastic and metal objects</p>	<p><u>Sticky Knowledge</u></p> <p>Materials can be used to make many different things.</p>	<p><u>Key Vocabulary and Definitions</u></p> <p><b>Man made</b> – Made by humans</p> <p><b>Natural</b> – can be grown or found in the earth</p>	<p><u>Resources</u></p> <p><a href="#">Objects and materials - BBC Bitesize</a> Sort objects made from wood plastic and metal (Take photo to record)</p>	<p><b><u>Working Scientifically</u></b></p> <ul style="list-style-type: none"> <li>Ask questions such as what is it made of?</li> <li>Group materials according to different criteria</li> <li>What is different about the different materials?</li> <li>Compare and contrast what they have found out about materials.</li> <li>Why wouldn't we build a house from sticks or straw?</li> </ul>
	<p>To sort objects depending on the material they are made from</p>	<p>Materials are used for different jobs</p>	<p><b>Fabric</b> – the material clothes are made from</p> <p><b>Rubber</b> – a natural material that is bouncy</p> <p><b>Glass</b> – a man made material</p>	<p>Objects to sort</p> 	<p><b><u>Performing simple tests</u></b></p> <ul style="list-style-type: none"> <li>Perform a simple test</li> <li>Can you build a house with different materials in class that can survive in the wind? (use a fan)</li> </ul>
	<p>To identify all of the materials that an object is made from – discuss why</p>	<p>Some objects are made from many materials</p>	<p><b>Waterproof</b> – doesn't let water through it</p>		
	<p>Plastic wood and metal can be used to make many different things – discuss why use that material?</p>	<p>Solid materials can be used in many different ways</p>	<p><b>Solid</b> - They stay in one place and can be held. They keep their shape.</p> <p><b>Opaque</b> – does not let light through</p> <p><b>Transparent</b> – does let light through</p>	<p>Same item made from different material – wooden spoon, plastic spoon, plastic cup, glass cup, bags made from different materials</p>	
	<p>Make a house for the pigs using different materials from class</p>	<p>Heavier, solid objects are good materials for building structures.</p>			

Year	Knowledge				Skills
<p><b>EYFS</b></p> <p><b>Term 2</b></p> <p><b>Year B</b></p>	<p><u>Focus: Hard or soft? Rough or Smooth?</u></p> <p><u>Early Years Outcomes (Development Matters)</u></p> <p><b>ELG: Understanding the World –</b> Know some similarities and differences between what things are made from, drawing on their experiences and what has been read in class.</p> <p><u>Contributing towards:</u> What can I make with this?</p>				<p><b><u>Knowledge Skills and Understanding</u></b></p> <ul style="list-style-type: none"> <li>Describe what they see, hear and feel.</li> <li>Identify and name a variety of everyday materials</li> <li>Distinguish between an object and the material it is made from</li> <li>Describe the simple properties of everyday materials</li> </ul>
	<p><u>Objective</u></p>	<p><u>Sticky Knowledge</u></p>	<p><u>Key Vocabulary and Definitions</u></p>	<p><u>Resources</u></p>	<p><b><u>Working Scientifically</u></b></p> <ul style="list-style-type: none"> <li>Ask questions such as what is it made of?</li> <li>Group materials according to different criteria</li> <li>What is different about the different materials?</li> <li>Compare and contrast what they have found out about materials.</li> <li>Why wouldn't we build a house from sticks or straw?</li> </ul>
	<p>To name and identify wood, plastic, fabric and metal objects</p>	<p>Materials can look and feel different from each other</p>	<p>Hard, rough, smooth <a href="#">Describing Materials - BBC Bitesize</a></p>		<p><b><u>Performing simple tests</u></b></p> <ul style="list-style-type: none"> <li>Perform a simple test</li> <li>Can you find a fabric that would be good for making a raincoat for Percy the Park Keeper.</li> </ul>
	<p>Investigate metal objects</p>	<p>Most metals are strong,</p>			
	<p>Investigate when materials are bent or stretched, their shape can change</p>	<p>To know that some materials can be bendy or stretchy -</p>	<p><b>Rigid</b> – does not bend</p> <p><b>Flexible</b> – can bend</p>	<p>Plastercine / playdough – rubber bands, wire, balloon, spring</p>	
	<p>Investigate different fabrics describe different properties of fabrics</p>	<p>Fabrics are made from thin fibres woven together.</p>	<p><b>Fabric</b> – the material clothes are made from</p> <p><b>Transparent</b> – lets light through</p>		
<p>Test if a fabric is waterproof or not - Suggest different items of clothing made from different fabrics</p>	<p>To know why we have different types of fabrics</p>	<p><b>Waterproof</b> – does not let water through</p>	<p>Discuss which fabric would be good to make a coat for Percy the park keeper</p>		

Year	Knowledge				Skills
<p><b>EYFS</b></p> <p><b>Term 3</b></p> <p><b>Year B</b></p>	<p><u>Focus: I'm Alive!</u></p> <p><u>Early Years Outcomes (Development Matters)</u></p> <p><b>ELG: Understanding the World –</b> Know that the world is made from living and non-living things</p> <p><u>Contributing towards: What Lives in the Woodland Classroom?</u></p>				<p><b><u>Knowledge Skills and Understanding</u></b></p> <ul style="list-style-type: none"> <li>Describe what they see, hear and feel.</li> <li>Identify and name a variety of living things</li> <li>Distinguish between living thin and a non-living thjing.</li> </ul>
	<p><u>Objective</u></p> <p>To know that living things need things to stay alive</p>	<p><u>Sticky Knowledge</u></p> <p>A living thing needs air water and food to stay alive</p>	<p><u>Key Vocabulary and Definitions</u></p> <p><b>Living</b> - Something which is living is alive and shows the characteristics of living things. <b>Alive</b> - Living things are alive.</p>	<p><u>Resources</u></p> <p><a href="#">Characteristics of living things - BBC Bitesize</a> How do you know if something is alive? Go on a scavenger hunt for living things</p>	<p><b><u>Working Scientifically</u></b></p> <ul style="list-style-type: none"> <li>Ask questions such as how do you know if it is alive or not?</li> <li>Group things into living and non living</li> </ul>
	<p>Things that do not need air, water and food because they are not alive</p>	<p>A thing that is not alive is called non-living</p>	<p><b>Non-living</b> - Something which is non-living is not alive. It does not show any of the characteristics of living things.</p>	<p>Go on a scavenger hunt for non-living things. Take photos</p>	<ul style="list-style-type: none"> <li>What is different about the different materials?</li> <li>Compare and contrast what they have found out about living things</li> </ul>
	<p>I can group things into living and non-living</p>	<p>The world is made up of living and non-living things</p>	<p><b>Sort</b> - To sort is to put items into different groups.</p>	 <p>What can a brown bear do that a teddy bear can't do? Sort images into 2 hoops</p>	<p><b><u>Performing simple tests</u></b></p> <ul style="list-style-type: none"> <li>Put a plant by the window to see if it moves.</li> </ul>
	<p>I can describe movement as something all living things do.</p>	<p>Living things can move by themselves</p>	<p><b>Life processes</b> - These are the processes or actions that all living things do. <b>Move</b> - To change position or to go from one place to another.</p>	<p>Understand that plants move Video of venus flytrap</p>	
	<p>I can show that plants move</p>	<p>Living things can move by themselves</p>	<p><b>Move</b> - To change position or to go from one place to another.</p>	<p>Plant on the window ledge – take photos each day to show it has moved on its own.</p>	

Year	Knowledge			Skills
EYFS  Term 4  Year B	<p><u>Focus:</u> What's for dinner on the moon?</p> <p><u>Early Years Outcomes (Development Matters)</u></p> <p><b>ELG: Understanding the World –</b> Living things need food to stay alive – different animals live in different habitats</p> <p><u>Contributing towards:</u> What lives in the Rainforest?</p>			
	<u>Objective</u>	<u>Sticky Knowledge</u>	<u>Key Vocabulary and Definitions</u>	<u>Resources</u>
	To know that different animals live in different habitats	A habitat is a natural place where an organism makes its home	<b>Habitat</b> – the natural home of an organism. <b>Organism</b> – a living thing a plant or an animal is a habitat	Recap on living things – Different habitats Discuss different animals. woodland, pond, savanna. Is a zoo a habitat? a bird house?
	To know where different animals live	A habitat is a natural place where an organism makes its home		To put pictures of animals in the correct habitat
	I can talk about how animals get their food to stay alive	Food gives animals energy and helps them to stay alive	<b>Graze</b> – when an animal feeds on plants such as grass <b>Hunt</b> – when an animal catches other animals for their food	Do all animals eat the same food? Find out what different animals eat in the wild.
I can talk about how animals get their food to stay alive - they use their senses	Animals eat different types of food	<b>Herbivore</b> – an animal that only eats plants <b>Carnivore</b> – an animal that only eats meat <b>Omnivore</b> – an animal that eats both meat and plants	Sort animals into carnivore herbivore and omnivores. <a href="#">What do animals eat? - BBC Bitesize</a>	
				<p><b><u>Knowledge Skills and Understanding</u></b></p> <ul style="list-style-type: none"> <li>Describe what they see, hear and feel.</li> <li>Identify and name a variety of living things</li> <li>Know that living things need food to stay alive</li> </ul> <p><b><u>Working Scientifically</u></b></p> <ul style="list-style-type: none"> <li>Ask questions such as where does this animal live? What does this animal eat?</li> <li>Group things into animals that eat plants, animals that eat other animals</li> <li>Compare and contrast what they have found out about living things</li> </ul> <p><b><u>Performing simple tests</u></b></p> <ul style="list-style-type: none"> <li></li> </ul>

Year	Knowledge				Skills																				
EYFS  Term 5  Year B	<p><u>Focus:</u> What can I make from this?</p> <p><u>Early Years Outcomes (Development Matters)</u></p> <p><b>ELG: Understanding the World –</b>                      Know some similarities and differences between what things are made from, drawing on their experiences and what has been read in class.</p> <p><u>Contributing towards:</u> Why did the third little pig build his house out of bricks? KS1</p>				<p><b><u>Knowledge Skills and Understanding</u></b></p> <ul style="list-style-type: none"> <li>Describe what they see, hear and feel.</li> <li>Identify and name a variety of everyday materials</li> <li>Distinguish between an object and the material it is made from</li> <li>Describe the simple properties of everyday materials</li> <li>Suggest reasons why things happen</li> </ul>																				
	<u>Objective</u>	<u>Sticky Knowledge</u>	<u>Key Vocabulary and Definitions</u>	<u>Resources</u>	<p><b><u>Working Scientifically</u></b></p> <ul style="list-style-type: none"> <li>Ask questions such as what is it made of?</li> <li>Group materials according to different criteria</li> <li>What is different about the different materials?</li> <li>Compare and contrast what they have found out about materials.</li> <li>What could you build a boat from? Brunel built a boat from metal – does that surprise you?</li> </ul> <p><b><u>Performing simple tests</u></b></p> <ul style="list-style-type: none"> <li>Perform a simple test</li> <li>Can you find things that float and things that sink</li> <li>To make a boat for 2 playmobil people and talk about what you have found out.</li> </ul>																				
	To name and identify wood, plastic, fabric and metal objects	Materials can look and feel different from each other	Hard, rough, smooth <a href="#">Describing Materials - BBC Bitesize</a>	Recap from previous topic																					
	Investigate floating and sinking	To understand that some objects float and some objects sink	<b>Float</b> – can stay at the top of a liquid <b>Sink</b> – goes to the bottom of a container – it does not float	Objects to test – predict and test. Sort physical objects and take a photo to record. <table border="1" style="margin-top: 10px;"> <caption>Materials</caption> <thead> <tr> <th>Item</th> <th>Material</th> <th>Prediction</th> <th>Result</th> </tr> </thead> <tbody> <tr> <td></td> <td>p</td> <td>float</td> <td>✓</td> </tr> <tr> <td></td> <td>m</td> <td>sink</td> <td>✓</td> </tr> <tr> <td></td> <td>p</td> <td>sink</td> <td>✗</td> </tr> <tr> <td></td> <td>s</td> <td>sink</td> <td>✓</td> </tr> </tbody> </table>		Item	Material	Prediction	Result		p	float	✓		m	sink	✓		p	sink	✗		s	sink	✓
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	p	float	✓																						
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Understand what is floating and sinking	To understand that some objects float and some objects sink		<b>Sort images of things that float and sink</b> using previous knowledge																						
To make a boat that will float	To use different materials to make a boat and test them out		Make a boat from paper, card, playdough, which would be best to carry 2 Playmobil people?																						

Year	Knowledge				Skills
EYFS  Term 6  Year B	Focus: What lives in a rainforest? <b>Enrichment:</b> visit to the living Rainforest. <a href="#">Visit the Living Rainforest</a>  Early Years Outcomes (Development Matters)  <b>ELG: Understanding the World –</b> Living things need food to stay alive – different animals live in different habitats  Contributing towards: What lives in the rainforest? KS1				<b><u>Knowledge Skills and Understanding</u></b>  <ul style="list-style-type: none"> <li>Describe what they see, hear and feel.</li> <li>Identify and name a variety of living things</li> <li>Know that living things need food to stay alive</li> <li>Know that different animals live in different places</li> </ul>
	<u>Objective</u>	<u>Sticky Knowledge</u>	<u>Key Vocabulary and Definitions</u>	<u>Resources</u>	<b><u>Working Scientifically</u></b>  <ul style="list-style-type: none"> <li>Ask questions such as where does this animal live? What does this animal eat?</li> <li>Sort and group animals according to their own criteria</li> <li>Group things into animals that lay eggs animals that have live young</li> <li>Compare and contrast what they have found out about living things</li> </ul> <b><u>Performing simple tests</u></b>  <ul style="list-style-type: none"> <li></li> </ul>
	To name common mammals	To know that all mammals have hair and give birth to live young who drink their mother’s milk. Humans are mammals.	<b>Mammal</b> – an animal that has live babies and breathes air	Sort and name common mammals. <a href="#">What are mammals? - BBC Bitesize</a>	
	To name common amphibians	Nearly all amphibians lay eggs	<b>Amphibians</b> – an animal that starts its life in water but as they grow they change to breathe air.	<a href="#">What are amphibians? - BBC Bitesize</a>	
	To name some common reptiles.	Reptiles all breathe air Reptiles are cold bloodied.	<b>Camouflage</b> – to match the surrounding so that they can hide.	<a href="#">What are reptiles? - BBC Bitesize</a>	
	To name common birds and fish	All birds lay eggs and have feathers. All birds have wings. All fish live in water and have gills to breathe underwater. Most fish lay eggs	Gills – a fish can breathe underwater using its gills.	<a href="#">What are birds? - BBC Bitesize</a>  <a href="#">What are fish? - BBC Bitesize</a>	
	To know that a variety of animals live in different habitats	A woodland habitat is shady with lots of trees. Many different animals live in a woodland habitat ion the uk	<b>Habitat</b> – the natural home of an organism <b>Nocturnal</b> – an animal that comes out at night	<a href="#">What is a woodland habitat? - BBC Bitesize</a> Woodland habitat – think about what creatures live in the woodland and why	
	To know that a variety of different animals live in the rainforest habitat.	A rainforest habitat is warm and wet	Take a look at polar habitats as a contrast	<a href="#">What is a rainforest habitat? - BBC Bitesize</a> Rainforest habitat –How are they different / similar to woodland creatures	
To know that a variety of animals live in different habitats	A Microhabitat is a natural home for very small organisms	<b>Micro habitat</b> – a small habitat inside a larger habitat	Micro habitat in the woods compared to micro habitat in the rainforest. Make comparisons		