



LINCOLN ANGLICAN
ACADEMY TRUST
DIOCESE OF LINCOLN



Medium Term Planning Year 1/2 – Materials – Year 1 objectives

Autumn Term 1	N.C. EXPECTATIONS	Learning question	Associated Substantive Knowledge	Disciplinary Knowledge and skills	Key Vocabulary
1	<p>Distinguish between an object and the material from which it is made.</p> <p>Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.</p> <p>Describe the simple physical properties of a variety of everyday materials.</p>	<p><u>LQ: Can I identify the materials the objects are made from?</u></p> <p><u>This lesson or the next should be done outside in the mystical garden.</u></p>	<p>Children know how to differentiate between objects and the materials they are made from.</p>	<p>Identifying, grouping and classifying</p>	<p>Object, material, wood, plastic, glass, metal,</p>
			<p>Children learn to identify common materials like wood, plastic, glass, metal, water, and rock.</p> <p>Children learn to describe properties such as hard, soft, shiny, rough.</p>	<p>Ask their own simple questions about what they notice and recognise that they can be answered in different ways.</p> <p>Observing closely, using simple equipment</p> <p>Identifying and classifying</p> <p>Use their observations and ideas to suggest answers to questions.</p> <p>Gather and record data to help in answering questions.</p>	
2	<p>Compare and group together a variety of everyday materials on the basis of their simple physical properties.</p>	<p><u>LQ: Can I distinguish between an object and the material it is made from?</u></p>	<p>Children know that all things are made from 'materials'.</p>	<p>Identifying, grouping and classifying</p>	<p>water, rock, brick, paper, fabric, elastic, foil, card/cardboard, rubber, wool,</p>
			<p>Children know that the word 'material' refers to the matter from which a thing is made.</p> <p>Children know that different objects can be made from the same material.</p>	<p>Ask their own simple questions about what they notice and recognise that they can be answered in different ways.</p> <p>Observing closely, using simple equipment</p>	



LINCOLN ANGLICAN
ACADEMY TRUST
DIOCESE OF LINCOLN



Medium Term Planning Year 1/2 – Materials – Year 1 objectives

				Identifying and classifying. Use their observations and ideas to suggest answers to questions. Gather and record data to help in answering questions.	clay,
3		<u>LQ: What is the best material for a puppy's bedding?</u>	Children will know the difference between waterproof absorbent properties of materials.	Comparative testing Ask their own simple questions about what they notice and recognise that they can be answered in different ways. Observing closely, using simple equipment Performing simple tests Use their observations and ideas to suggest answers to questions. Gather and record data to help in answering questions.	Absorbent Waterproof
4		<u>LQ: Is it reflective?</u> <u>TAPs assessment – use this as a mid-term assessment to see what children need.</u>	Children learn to identify materials from most to least reflective Children know the properties of reflective material.	Noticing patterns. Ask their own simple questions about what they notice and recognising that they can be answered in different ways. Observing closely, using simple equipment	Hard, soft, rough, smooth stretchy, stiff, bendy, floppy, shiny,



LINCOLN ANGLICAN
ACADEMY TRUST
DIOCESE OF LINCOLN



Medium Term Planning Year 1/2 – Materials – Year 1 objectives

				Identifying and classifying Using their observations and ideas to suggest answers to questions. Gathering and recording data to help in answering questions	dull, transparent opaque
5		<u>LQ: Can I identify the materials that objects are made out of</u>	Children name the materials objects are made from. e.g fabric, elastic, foil, card/cardboard, rubber, wool, clay	Identifying, grouping and classifying. Ask their own simple questions about what they notice and recognising that they can be answered in different ways. Observing closely, using simple equipment Identifying and classifying Using their observations and ideas to suggest answers to questions. Gathering and recording data to help in answering questions	Recap taught vocabulary.
6		<u>LQ: Which properties make a material suitable?</u>	Children know the properties of different materials, hard, smooth, reflective etc Children know that different materials can be used for the same purpose. Children know the effect producing different materials can have on our planet global warming	Identifying, grouping and classifying. Ask their own simple questions about what they notice and recognising that they can be answered in different ways. Observing closely, using simple equipment	Recap taught vocabulary.



LINCOLN ANGLICAN
ACADEMY TRUST
DIOCESE OF LINCOLN



Medium Term Planning Year 1/2 – Materials – Year 1 objectives

				<p>Identifying and classifying Using their observations and ideas to suggest answers to questions. Gathering and recording data to help in answering questions</p>	
	<p>I can observe changes across the four seasons. I can observe and describe weather associated with the seasons and how day length varies.</p>	<p><u>LQ: What season is it?</u></p>	<p>To know there are 4 seasons, winter, summer, spring and autumn.</p> <p>Know what trees and plants look like in each season (e.g., flowers in spring, bare branches in winter).</p> <p>Learn what animals do in each season (e.g., some animals sleep in winter, baby animals are born in spring).</p> <p>Talk about what the weather is like in different seasons (e.g., sunny and warm in summer, cold and frosty in winter).</p>	<p>Observing changes over time.</p> <hr/> <p>Ask their own simple questions about what they notice and recognising that they can be answered in different ways. Observing closely, using simple equipment. Performing simple tests. Using their observations and ideas to suggest answers to questions. Gathering and recording data to help in answering questions.</p>	