



Spring 1	Everyday materials - Exploring everyday materials					
Prior learning	EYFS learn about different materials – which is most absorbent and which is good for clothing.					
Lesson objective	Identify and name a variety of everyday materials	Distinguish between an object and the material it is made from	Describe the properties of everyday materials	Identify objects that are natural and those that are manmade	Predict and identify if an object will float or sink	Explore which materials are best for different objects
Key vocabulary	Material, fabric, Wood, plastic, metal	Object, glass, property, brick, elastic	Property, opaque, transparent, dull, stiff	Natural, man made factory, rubber, polyester	Predict, float, sink, submerge, buoyant	Absorbent, sponge Waterproof, umbrella, soak
Creative context						
Substantive knowledge	Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water and rock	Distinguish between an object and the material it is made from	Describe the simple physical properties of a variety of everyday materials	Compare and group together a variety of everyday materials on the basis of their simple physical properties	Compare and group together a variety of everyday materials on the basis of their simple physical properties	Describe the simple physical properties of a variety of everyday materials
Disciplinary knowledge	Identify and classify	Use observations and ideas to suggest answers to questions	Perform simple tests Gather and record data to help in answering questions	Identify and classify	Perform simple tests	Perform simple tests Identify and classify Use observations and ideas to suggest answers to questions Gather and record data to help in answering questions
Recorded learning	Draw and label each item identified in a feely bag.	Complete a scavenger hunt and find 5 different	What properties do a selection of objects have?	Sort the pictures into natural and	Carry out a floating or sinking investigation.	Carry out an experiment to find out which material



	<p>Children should describe each material.</p>	<p>items from around the classroom. Draw each object they found and write the materials using the word bank.</p> <p>Challenge Task: What other objects are made from that material?</p>	<p>Children to test and identify if the object is hard/soft, stretchy/stiff, shiny/dull, rough/smooth, bendy/not bendy, opaque/transparent.</p> <p>Challenge Task: Explain why materials are chosen for those particular objects.</p>	<p>manmade materials.</p> <p>Challenge Task: Use the overlapping area of the Venn diagram to show that some objects are made from both natural and manmade materials.</p>	<p>Make a prediction as to whether they think it will float or sink. Record if the objects float or sink.</p> <p>Challenge Task: Ask the children to compare the results to their predictions. Were they correct?</p>	<p>would be used for an umbrella.</p> <p>Test using the following types of materials: sponge, paper towel, paper, cloth, tin foil and a bin/plastic bag.</p> <p>Challenge Task: Which material was the most absorbent? Which material was the least absorbent?</p>
Future learning	Materials: Year 2 suitability of materials, manipulation of materials; Year 5 compare and group materials based on properties, understand some materials will dissolve, solids, liquids, gases					