



Unit Overview	Children learn the name of different materials and their properties using scientific vocabulary. They learn to suggest a suitable material for a job based on the materials properties, and what is needed for it to be effective. Children start to conduct simple experiments, and ask questions for investigation. They record simple results and make simple conclusions.	
Prior Learning/ Links	<ul style="list-style-type: none"> Describe objects and materials using simple language. Group different objects and materials according to specific properties. 	
Unit Title:	Substantive Knowledge	Disciplinary Knowledge
Key Questions: How would you describe What would you use to build a boat and why?	<ul style="list-style-type: none"> Which materials are some objects made from focusing on toys. – plastic, metal, glass, rock, fabric, elastic What words can be used to describe materials e.g. shiny/ dull, stretchy /firm, hard/ soft, rough and smooth. Which materials are natural, and which are man – made. Natural materials are materials that are found in nature – wood, cotton, Man-made materials are materials made by humans -plastic, glass To know that liquid is a material and that that liquid comes in many different thicknesses. To be able to make suggestions as to what material would be suitable for a purpose and why eg: an umbrella, a window, a waterproof jacket, a winter jumper. Children know that you can measure things using different tools and by watching closely. Children can make simple conclusions about what material is best and why. 	Questioning and Planning Make verbal predictions about the properties of materials. Observation and Measurement Make observations by looking and discussing what they have seen using scientific vocabulary. Recording and Presenting Make observational drawings Analysing and Evaluating Explain the results of an experiment
Vocabulary	Trips/ Visits/Useful Websites/ Resources	Key Misconceptions:
Substantive: bendy, dull, elastic, fabrics foil, glass, man – made metal, natural, plastic, rock rough, shiny, smooth, soft stiff, stretchy, Waterproof Wood Disciplinary: predict, observe ,sort	Everyday materials - Year 1 KS1 Science - BBC Bitesize Year 1 - Materials STEM	The difference between a material and an object



Science Unit Planner Year: One

Title: Materials (Part 1)