

Materials

Key Vocabulary

Object	A thing that can be used. For example, a door, chair, table.	Dull	Doesn't reflect light easily.	Absorbent	If something is absorbent, it soaks water up.
Material	Materials are what an object is made of.	Rough	If something is rough, it feels and looks uneven or bumpy.	Not absorbent	If something is not absorbent, it does not soak water up.
Hard	Not easily broken or bent.	Smooth	Smooth objects have no lumps or bumps.	Transparent	Transparent objects can be seen through.
Soft	If something is soft, it is easy to cut, fold or change the shape of.	Bendy	Bendy things can be folded easily.	Opaque	Opaque objects cannot be seen through.
Stretchy	Can be pulled to make it longer or wider without breaking it.	Waterproof	If something is waterproof, it keeps water out. It keeps things dry.	Shiny	Reflects light easily.
				Not waterproof	Not waterproof lets water in.

Key Knowledge

<p>What different materials are there?</p> <p>Children are able to identify:</p> <ul style="list-style-type: none"> - Paper - Brick - Fabric - Stone - Glass - Metal - Wood - Plastic - water 	<p>What are the properties of materials?</p> <p>Children to use key vocabulary to describe and sort materials:</p> <ul style="list-style-type: none"> - hard - soft - bendy - stretchy - dull - rough - smooth 	<p>What materials are absorbent/non-absorbent?</p> <p>Children to take part in an experiment. Can they make predictions about each material that they are testing?</p> <p>What is their conclusion?</p>	<p>What materials are opaque/translucent?</p> <p>Children to take part in an experiment. Can they make predictions about each material that they are testing?</p> <p>What is their conclusion?</p>
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Prior Learning

Explore collections of materials with similar and/or different properties.

Next Steps

Children will learn about the properties and suitability of materials.