

**Key Knowledge:**

**By the end of the unit:**

- Can I name 5 different everyday materials? (Glass, Fabric, Plastic, Metal, Wood).
- Can I group and compare different objects into the material they are made from?
- Can I describe the simple physical properties of a variety of everyday materials?
- Can I compare how things move on different surfaces?

**Key Terms.**

<b>Object</b>	A thing that can be used, see and touched. For example, chair, car, table are all objects. Objects are made from different materials.
<b>Material</b>	Materials are what an object is made from.
<b>Properties</b>	The key features of a material and what it can do.
<b>Man-Made</b>	Things or materials created by people.
<b>Natural</b>	Materials or objects that exist and are made by nature not people.
<b>Which materials are some objects made from?</b>	
<b>Which words can I use to describe materials?</b>	

**Possible Experiments:**

- Find out the best materials to make an object e.g. a house, spaceship.
- Can we find examples of different materials around our school and describe their properties e.g. rough wood, transparent glass.
- Use 'feely bags' to describe the properties through touch alone.

**Key Vocabulary:**

<b>hard</b>	Not easily broken or bent.
<b>soft</b>	If something is soft, it is easy to cut, fold or change the shape of.
<b>stretchy</b>	Can be pulled to make it longer or wider without breaking.
<b>shiny</b>	Reflects light easily.
<b>dull</b>	Doesn't reflect light. Doesn't look bright or <b>shiny</b> .
<b>rough</b>	If something is <b>rough</b> , it feels and looks uneven or bumpy.
<b>smooth</b>	<b>Smooth</b> objects have no lumps or bumps.
<b>bendy</b>	<b>Bendy</b> things can be folded easily.
<b>not bendy</b>	If something is <b>not bendy</b> , it can't be folded easily.
<b>waterproof</b>	If something is <b>waterproof</b> , it keeps water out. It keeps things dry.
<b>not waterproof</b>	<b>Not waterproof</b> materials let water in.
<b>absorbent</b>	If something is <b>absorbent</b> , it soaks water up.
<b>not absorbent</b>	If something is <b>not absorbent</b> , it <u>does not</u> soak up water.
<b>transparent</b>	<b>Transparent</b> objects can be seen through.
<b>opaque</b>	<b>Opaque</b> objects <u>can't</u> be seen through.
<b>brick</b>	rectangular blocks of baked clay used for building walls.
<b>glass</b>	a hard, transparent material used to make windows.
<b>metal</b>	a hard substance such as iron, steel, gold or lead.
<b>plastic</b>	a material which is light in weight and does not break easily.
<b>rock</b>	the hard substance which the Earth is made of.
<b>wood</b>	the material which forms the trunks and branches of trees.

**Diagrams and Symbols:**

**Natural Materials**



**Man-made Materials**

