



# Knowledge Organiser

## Science—Everyday Materials

### Year 1

#### Materials and their properties

During the topic, we will explore the differences between different materials. These will include those below.



**Wood**

Hard, strong, rigid



**Metal**

Shiny, waterproof



**Plastic**

Bendy, waterproof



**Glass**

Transparent, smooth



**Water**

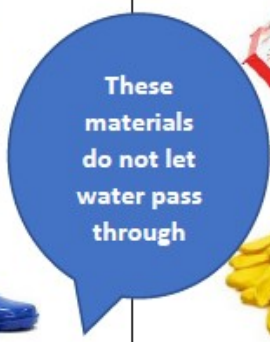
Runny, wet, clear



**Rock**

Hard, strong

#### Waterproof



These materials do not let water pass through

Some things are waterproof, meaning that they do not let water go through them.


Explore how well different things stop water from going through. Are some of your coats better at being waterproof than others? Why do you think this is?

Have a look at all the things in your house that are waterproof. Which are the best materials for this?

#### Key Vocabulary

<b>Properties</b>	A way to describe something
<b>Material</b>	The 'stuff' an object is made out of
<b>Liquid</b>	Liquids can flow or be poured easily.
<b>Surface</b>	An outside part or layer of something.
<b>Object</b>	A thing that can be seen and touched.

#### What I can do at home

<b>Investigate</b>	<p>Look at different things around your home and explore which are best for certain jobs:</p> <ul style="list-style-type: none"> <li>- What is the best for soaking up a spill drink?</li> <li>- What is the best for keeping you warm outside?</li> <li>- What is the best at floating in the bath?</li> </ul>
<b>Explore</b>	<p>How many of the different materials can you find at home?</p> <p>Can you sort them into groups, maybe by using a Venn diagram?</p> 

#### Communicate

Talk to an adult at home about the things below. You don't need to record this.

I wonder what the most important property is?

Do you think it is better for something to be strong or bendy?