

Glenfield Infant School Knowledge Organiser



Year 1— Autumn 2

Science

Everyday Materials

What should I already know?

I know that objects can float or sink.

I know that some objects move when pushed or pulled.

I know that some objects freeze or melt.

Vocabulary

Materials	Things that can be used for building and making something
Properties	Words we can use to describe different materials..
Transparent	An object or materials that allows light to pass through it.
Absorbent	An object or material that can soak up liquid or moisture.
Waterproof	An object or material that does not let water pass through it.

1. What materials can we find in the world around us?

WOOD A material that comes from trees.

PLASTIC A material made in a factory.

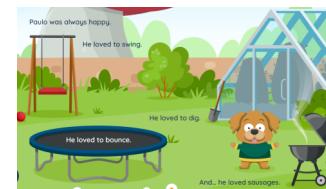
METAL A natural material found in the ground that is usually strong.

GLASS A see-through material made by heating sand.



There are materials that we use everyday. We can identify materials that different objects are made from. Objects can be sorted into groups based on their materials.

2. How can we recognise the difference between objects and materials?



Objects have different names and are made from different materials (fabric, metal, plastic, wood, glass). There are differences between objects and there materials which can be identified.

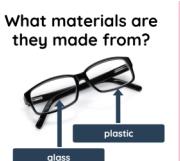
3. What properties to different materials have?



What material is it made from?



What properties does fabric have?



What materials are they made from?



What properties does glass have?



Properties are used to describe materials. Everyday materials have different properties. Objects are made from materials which suit a purpose.

4. How can some materials be grouped? (Absorbent)

Which materials are absorbent?

Material	What happened to the water?				
	All the water has gone.	Some water has gone.	None of the water has gone.		
	absorbent		slightly absorbent		not absorbent



Objects are made from different materials which have a range of properties. Materials can be sorted into groups based on their absorbency. Our findings can be recorded.

5. How can some materials be grouped? (Waterproof)

Which materials are waterproof?

Material	Waterproof	Not waterproof
		



Objects are made from different materials which have a range of properties. Materials can be sorted into groups based on their waterproofness. We can conduct a test and predict what might happen.

6. How can some materials be grouped? (Tough)



Results table

Material	What happened?	Is it tough?



Objects are made from different materials which have a range of properties. Materials can be sorted into groups based on their toughness. We can answer questions based on results we have found.