

My Knowledge Journal



Materials

Name: _____

Pre Knowledge Quiz

1. Draw lines to match the picture of the object to the material that it is made from.



Wood

Metal

Plastic

Glass

2. Tick the 3 objects that are man-made.

3. Name an inventor and what they are famous for.

Name: _____ Famous for: _____

Materials Knowledge Organiser

Key Questions and Facts

What are the names of different materials?	We will learn about: wood, metal, plastic, paper, fabric, stone, glass and rubber.
Which materials are man-made and which are natural?	Man-made materials are produced, formed or made by humans. These include concrete, glass, nylon, paper, plastic and steel. Natural materials come from plants, animals or the ground. These include chalk, sand, leather, gold, cotton, coal, iron and wood.
Why are different materials suitable for different purposes?	Wood is hard and strong. Plastic can be easily moulded into different sizes and shapes. It is also waterproof. Metal is strong but it can be melted to mould to different shapes.

Glossary

man-made	materials that are produced, formed or made by humans
natural	materials that come from plants, animals or the ground
properties	a characteristic used to describe materials
suitability	the quality of being appropriate for a particular purpose
inventor	a person who designs or creates something that did not exist before
object	a material thing that can be seen or touched
material	a substance or mixture of substances that an object is made from
transparent	something that you can see through easily
opaque	something that you can't see through
absorbent	the ability to soak up liquid easily
flexible	something that bends easily without breaking

Let's Investigate

- Classify and sort a range of materials.
- Which material is the most absorbent?
- Which is the strongest paper?
- Research famous inventors who worked in developing materials.

What should I already know?

- Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water and rock.
- Simple properties of everyday materials. E.g. rough, smooth, shiny
- How to group materials based on a similar property. E.g. hard, soft
- That different objects are made from different materials.



My Knowledge Builder

My Previous Knowledge...

New knowledge I have learnt...

Week
1

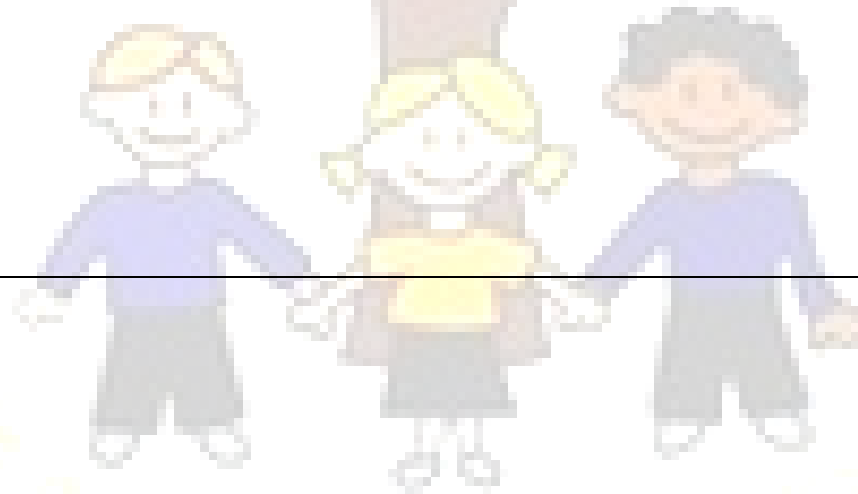
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Week
2

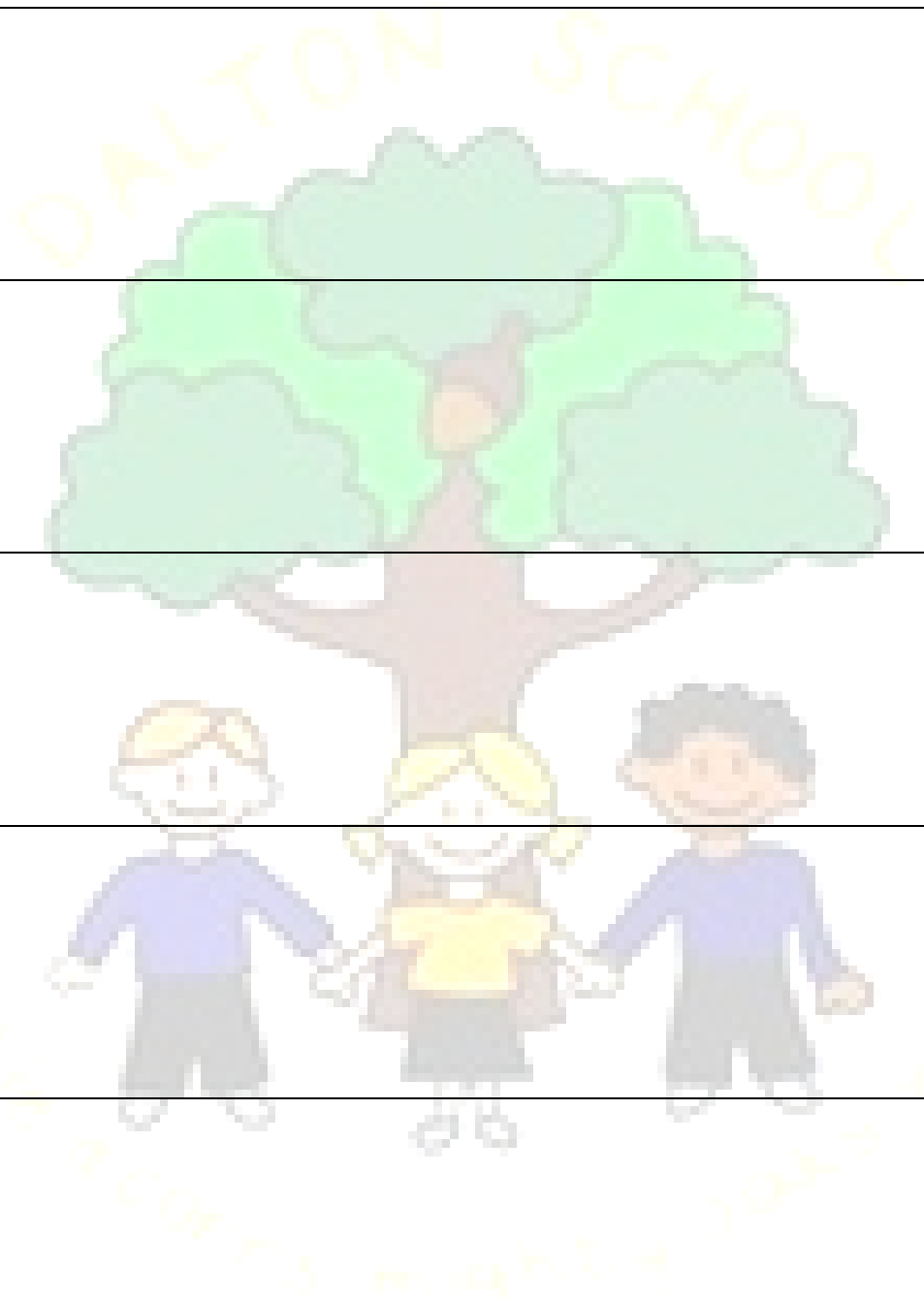
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Week
3

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Week 4	<ul style="list-style-type: none">•••
Week 5	<ul style="list-style-type: none">•••
Week 6	<ul style="list-style-type: none">•••
Week 7	<ul style="list-style-type: none">•••



Post Knowledge Quiz

1. Draw lines to match the picture of the object to the material that it is made from.



Wood

Metal

Plastic

Glass

2. Tick the 3 objects that are man-made.



3. Name an inventor and what they are famous for.

Name: _____

Famous for: _____