Knowledge Organiser
Year 1 Science – Everyday Materials

What I should already know?

In EYFS children should:

Know the similarities and differences in some objects and materials.

Know that Objects feel and look different based on the material they are made from.

Use different materials when painting and making art.

Working Scientifically-What could I investigate?

Which is the best bedding for a puppy's basket?

Which material is water proof?

How strong is an egg shell?

Which materials could withstand the wolf puff in 3 little pigs?

What I will know by the end of this unit?

What different objects are made from.

Identify and name everyday materials

Describe the simple physical properties of a variety of everyday materials

Compare and group together a variety of everyday materials on the basis of their simple physical properties.

In Year 2 children will:

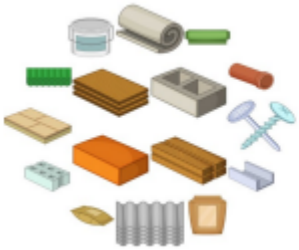
Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.

To find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

Vocabulary

Materials, natural materials, man-made materials, hard, soft, transparent, flexible, waterproof, smooth, wood, metal, brick, ice, plastic, paper, stone, glass, leaves, wool, leather, fabric.

Knowledge



Materials are the substances that things are made from.

We use lots of different materials every day, e.g. meta, plastic, wood and glass.

Different materials have different physical properties which make them useful for different things. A property is a quality that describes what something is like or how it behaves.

Some materials are used to make many things.

Properties of Materials					
Metal	Glass	Wood	Plastic	Fabric	Paper
					
• hard • strong • shiny	• transparent • smooth • stiff	• hard • strong • stiff	• strong • shiny • bendy	• soft • bendy • opaque	• absorbent • dull • smooth