Newport Infant School—Science Knowledge Organiser

Spring Term Topic: Buildings	Year 1	Strand: Everyday Materials

What should I already know?

Objects are things that you can see and touch.
Objects look and feel different based on the material that they are made from.
Words that can be used to describe materials.

What I will know by the end of the unit

- Identify and name everyday materials: plastic, glass, metal, wood, rock, water.

wood	plastic	glass	metal






- Recognise the difference between an object and the material from which it is made.
- Describe the simple physical properties of a variety of everyday materials. Hard/soft, stretchy/stiff, shiny/dull.
- Compare and group together a variety of everyday materials on the basis of their simple physical properties.

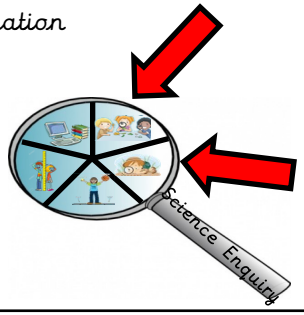


Investigate!

- Identify parts of a house and the materials they are made from. (window, door, walls, fence)
- How are objects similar/different based on the materials that they are made from?
- How are materials similar/different to each other?
- What is the best material for an umbrella? And a kite?
- Which materials will you use to make a feely book? What properties do each material have?
- Research the Wright brothers and their ideas for materials for aircraft engineering.

Science Skills

- Sorting and classifying
- Observation



Vocabulary

Absorbent	Material that soaks up liquid easily
bendy	An object that bends easily into a curved shape
brick	Rectangular blocks of baked clay used for building walls
dull	A colour or light that is not bright
elastic	A rubber material that stretches when you pull it and returns to its original size and shape when you let go
fabrics	Cloth or material produced by weaving together cotton, wool or other thread
foil	Sheets of metal as thins as paper
glass	A hard transparent material
Man-made	Things created by people
metal	A hard substance such as iron, steel, gold or lead
natural	Things that exist in nature and are not made by people
opaque	An object or material that you cannot see through
plastic	A material which is light in weight and will not break easily
rock	A hard substance which the Earth is made of
rough	Uneven, not smooth
shiny	Things that are bright and reflect light
smooth	No roughness, lumps or holes
soft	Not rough or hard
stiff	Firm or does not bend
stretchy	Slightly elastic
transparent	An object that you can see through
waterproof	Does not let water pass through it
wood	The material which forms the trunks and branches of trees