Newport Infant School—Science Knowledge Organiser

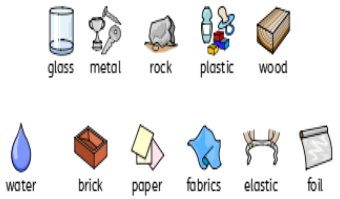
Spring Term	Year 2	Uses of Everyday Materials

What should I already know?

* Name and identify everyday materials: plastic, glass, metal, wood, rock, water
*Compare and sort objects based on the materials that they are made from.

What I will know by the end of the unit

Materials are used for different purposes based on their properties. For example, wood is used to make furniture and floors. Glass can be used to make windows.. Metal for coins, cans and cars.



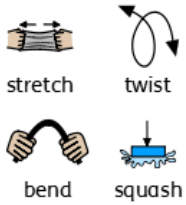
What properties of materials make them suitable for a particular use?

Glass for windows because it is transparent.

Spoons are made from metal or plastic because both materials are waterproof and can be cleaned easily.



The shape of some materials can be changed when they are stretched, twisted, bent and squashed.



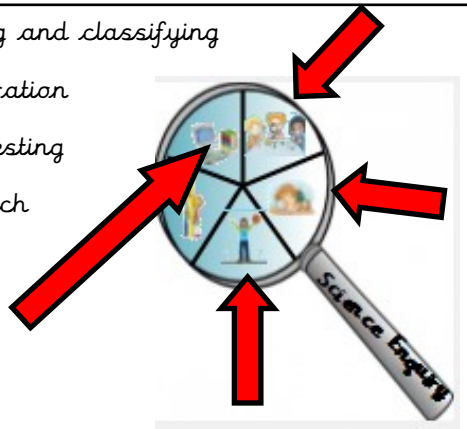
Investigate!

* Investigate how solid objects can change by bending, stretching, twisting, stretching etc.
* Compare and contrast the advantages of using different materials for the same object.
* Investigate a range of materials to see which are natural and man-made, old and new.
* Compare strength of crepe paper ropes
* Investigate best paper for a food bag
* Research and investigate famous scientist John Boyd Dunlop



Science Skills

- Sorting and classifying
- Observation
- Fair Testing
- Research



Vocabulary

absorbent	Material that soaks up liquid easily
dull	A colour or light that is not bright
foil	Sheets of metal as thins as paper
Man-made	Things created by people
malleable	Capable of being extended or shaped by hammering or pressure
natural	Things that exist in nature and are not made by people
opaque	An object or material that you cannot see through
rigid	Stiff, not flexible, hard
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
suitable	Appropriate for a job
synthetic	Something made by a process
transparent	An object that you can see through
unsuitable	Inappropriate for a job
waterproof	Not allowing water to come through