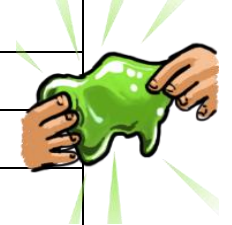
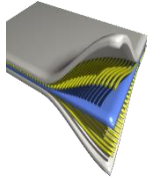




Science Knowledge Organiser Willow Class Reception and Year 1 Everyday Materials

*Key Vocabulary - important words*

materials	What things can be made from.
natural	Grown and not made by man.
man-made	Made by man (in a factory).
bake	To cook using heat.
bend	To shape or force something into a curve.
twist	To turn something from both ends.
stretch	To pull something to make it longer.
squash	To use force to crush or squeeze something to make it smaller.
heat	Hot or a high temperature.
cool	Cold or a low temperature.
freeze	To change a liquid into a solid. Usually at 0°.
melt	To change a liquid into a gas, heat it to 100°C. Change a solid into a liquid.
boil	To get something to bubble after using heat. Water boils at 100° C.



**Key questions:**

- Which bag is most waterproof or strongest?
- What material is the hardest/softest; stretchiest/stiffest; shiniest/dullest; roughest/smoothest or bendiest?

**Essential Knowledge: By the end of this topic I will be able to:**

- Distinguish between an object and the material from which it is made.
- Identify and name a variety of everyday materials, including wood, plastic, glass, water and rock.
- 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 physical properties.

**Scientific enquiry opportunities:**

Name different materials and identify materials that objects are made of. Test materials to identify their properties. Sort materials based on their properties and sort objects based on what material they are made of. Test different materials to see how much water they let through (and therefore identify waterproof and not waterproof materials).

