



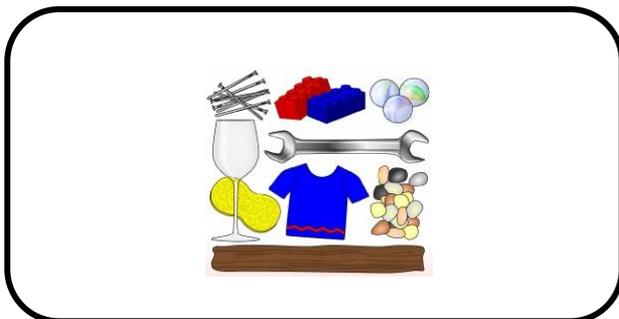
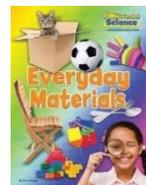
Materials

Year 2

Science Knowledge Mat



Exciting Books and Websites



Subject Specific Vocabulary

materials	What something is made of, e.g. wood or plastic.
liquid	Liquids can flow and take on the shape of their container.
stretch	A stretchy material is one that is like elastic.
stiff	A stiff material is firm and hard and not flexible.
flexible	Something that can bend easily.
waterproof	Is a material that does not allow water or liquid to go through.
twist	Turn repeatedly into a spiral shape
bend	A bendy material is one that can be twisted and is flexible.
squash	Crush something so that it becomes flat or out of shape

Prior knowledge

*Distinguish between an object and the material from which it is made.

* Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.

* Describe the simple physical properties of a variety of everyday materials.

Sticky Knowledge about materials

Know that a variety of everyday materials including wood, metal, plastic, glass, brick, rock, paper and cardboard are suitable for particular uses and compare them.
Know that solid objects are made from some materials that can be changed by squashing, bending, twisting and stretching
Leather - used for shoes, jackets and trousers- comes from animals
Wool - used for jumpers, socks, pyjamas and coats comes from sheep
Cotton - used for clothes we wear on warmer days and shirts - comes from a cotton plant
Silk - expensive materials used for scarves, blouses
Rock - hard substance made of minerals found in or on the ground
Wood - material that comes from a tree
Plastic - mouldable man-made material
Metal - strong hard material that can be heated and shaped



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