

Key Stage 1 - Forest Academy  
Knowledge organiser – Everyday Materials

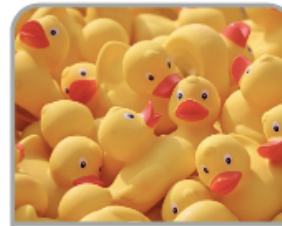
**Know how to...**

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

**Key vocabulary**

<b>absorbent</b>	Able to soak up liquid easily.
<b>bendy</b>	Bendy things can be folded easily.
<b>dull</b>	Not bright or shiny.
<b>hard</b>	Solid, not easily broken.
<b>opaque</b>	Not able to see through.
<b>rough</b>	If something is rough, it feels and looks uneven or bumpy.
<b>shiny</b>	Reflects light easily.
<b>smooth</b>	An even surface without bumps.
<b>soft</b>	If something is soft, it is easy to cut, fold or change the shape of.
<b>stiff</b>	Unable to bend.
<b>stretchy</b>	Can be pulled to make it longer or wider without breaking.
<b>transparent</b>	Able to see through.
<b>waterproof</b>	Designed to prevent water entering or passing through.

**Materials**



plastic



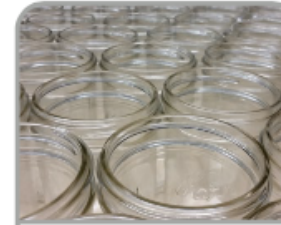
wood



metal



water



glass



stone



paper



brick



fabric

### Katherine Johnson



- Katherine began working at NASA in 1953.
- She used her excellent maths skills to plan routes into space.
- She helped the astronauts to go to the Moon.
- In 1969, Johnson worked on calculating the trajectory needed for the Apollo 11 moon landing.

### Caroline Herschel



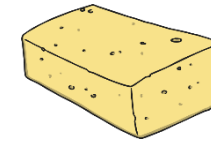
- Caroline Herschel was a pioneering woman astronomer.
- Her brother discovered the planet Uranus in 1781.
- In 1783 she discovered 3 nebulas (clouds of dust).
- Between 1786 and 1797 she discovered eight comets.

### Absorbent Materials

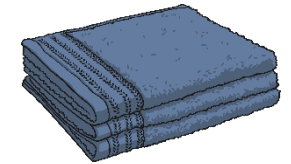
An absorbent material is a material that soaks up liquids. Absorbent materials are useful for objects that are used to clean and dry things.



cotton wool



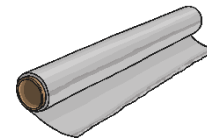
sponge



fabric

### Waterproof Materials

A waterproof material keeps water out. Waterproof materials keep things dry, for example our raincoats keep the rain from making our clothes wet.



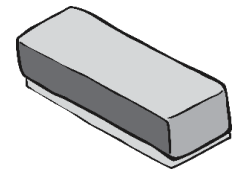
foil



plastic



metal



rubber