

# Uses of everyday materials

## Physical properties of everyday materials

Materials like wood, plastic, metal, brick, paper and cardboard have different **physical properties**.

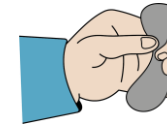
- **absorbent**: a material that soaks up liquid
- **heatproof**: a material that does not allow heat through
- **malleable**: a material that is easy to shape
- **waterproof**: a material that does not allow water through
- **windproof**: a material that does not allow wind through

## Using materials to make objects

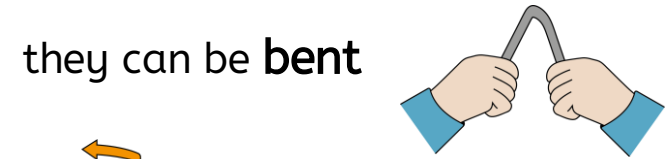
Some objects are made from one type of material, but other objects are made from a combination of materials. Different parts of the object need different properties, and using two materials solves this problem.



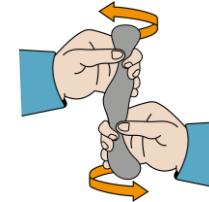
## Some materials can change shape



they can be **squashed**



they can be **bent**



they can be **twisted**



they can be **stretched**

The handle of this mop is made from wood; it is hard and you can push it along the floor.

The head is made from an absorbent material.

