

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

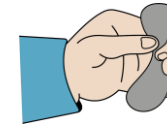
Some objects are made from one type of material, but other objects are made from a combination of materials. Different parts of the object need different properties, and using two materials solves this problem.



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.

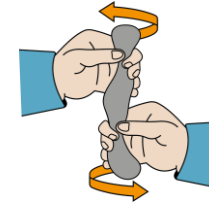
Some materials can change shape



They can be **squashed**.



They can be **bent**.



They can be **twisted**.



They can be **stretched**.