

# Materials

## Core Learning of this unit

- Names of a variety of everyday materials, including wood, plastic, glass, metal, paper, fabrics, elastic, water, and rock.
- The difference between an object and the material from which it is made.
- The physical properties of materials such as: hard/ soft; stretchy/stiff; shiny/dull; rough/smooth; bendy/not bendy; waterproof/not waterproof; absorbent/not absorbent; opaque/transparent.

### Object, Materials and Physical Properties

Object: brick



Material: Clay

+  
sand  
+  
soil



Physical Properties: hard, rough

### Prior Learning & Curriculum links

#### Prior learning

- Foundation Stage: Knowledge of similarities and differences in relation to objects and materials (eg: clothes they wear in winter).

#### Curriculum Links

- DT: Making small world playground equipment.

### Working Scientifically

- Children will describe the simple physical properties of a variety of everyday materials.
- Children will compare everyday materials by their physical properties.
- Children will categorise a variety of everyday materials on the basis of their simple physical properties.

Vocabulary	Definition
Absorbent	Able to soak up easily.
Stiff	Not easily bent or changed in shape.
Stretchy	Able to stretch.
Opaque	Not able to be seen through.
Transparent	Able to be seen through.
Rough	Not smooth or level.
Waterproof	Keeps out water.
Flexible	Can bend without breaking.
Rigid	Unable to bend or be forced out of shape.