



A knowledge organiser lists the necessary knowledge and vocabulary that the children should know by the end of the unit of work. Please work with your child at home to learn this information.

## Science Knowledge Organiser Year 2



### Necessary Knowledge

- Materials have different properties and are used to make different things.
- The shape of objects can be changed by squashing, bending, twisting or stretching.
- Materials can be compared on their suitability to be used to make different objects.

### Vocabulary

- Objects
- Materials- wood plastic, metal, glass, rock, water
- Properties
- Rough/ Smooth
- Shiny/ Dull
- Bendy/ Stiff
- Transparent/ Opaque
- Hot/ Cold
- Heavy/ Light
- Suitable
- Use
- Squash/ Bend/ Twist/ Stretch

### Squashing, Bending, Twisting and Stretching



Squash an object by pushing both hands together.



Bend an object by grabbing both ends of the object and bringing the ends inwards together.



Twist an object by turning your hands in opposite directions.



Stretch an object by pulling your hands slowly and gently apart.

### Properties of materials

shiny



dull



rough



smooth



bendy



stiff



transparent



opaque



Hot

Cold

Heavy



Light

