

# Year 2 Firecrests

## Science Spring 2

### Materials and Matter

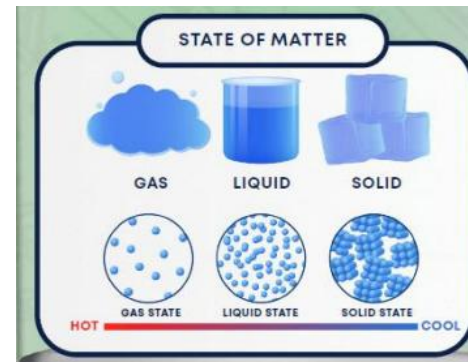
#### What is a material?

A material is something that an object is made from, such as metal, plastic or wool. Matter is the word scientists use to describe what the material is made of.

Materials all have different properties, according to their matter and the state of that matter. Properties help us to describe the materials. Some are soft, some are hard, and some are even waterproof.



Vocabulary	Definition
atoms	A tiny building block that everything around us is made from.
bonds	What joins atoms together.
engineer	A person who designs, builds or takes care of engines, machines or structures such as bridges and tunnels.
gas	Matter that moves about freely, like oxygen.
Inventor	Someone who creates or designs something that has not been made before.
liquid	Matter that flows like water. Liquids can take the shape of the bottom of their container. We can pour them.
materials	Matter from which something is made e.g. glass, wood, metal.
matter	The word scientists use to describe everything in the world around us, including liquids, solids and gases
opaque	A material that does not allow light to shine through, so we cannot see through it. For example wood.
properties	Characteristics that we can use to describe objects such as shiny, dull.
solid	Matter that can hold its shape and stays in one place, like wood. We can hold solids in our hands.
transparent	A material that allows light to show through such as glass.



#### States of matter

Matter can be in different states according to the temperature.

Matter can be gas, liquid, or solid.

The different states are caused by the arrangement of the atoms

#### What is a microscope?

