

Subject: Year 1 Concept: Materials & States of Matter

Previously, I have learnt...

In Year I, I am learning...

In the future, I will learn...

My future...

That objects are made from different things

How to describe materials using simple vocabulary.

How to use different materials for certain jobs.

To distinguish between an object and the material from which it is made

To identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock

To describe the simple physical properties of a variety of everyday materials

To compare and group together a variety of everyday materials on the basis of their simple physical properties.

How to identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses

How to investigate how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

Scientist

Doctor

Dentist

Archaeologist

Engineer

Chemist

Teacher

Biochemist

Astronaut

Anthropologist

Environmentalist

Naturalist

Wildlife documentary presenter

materials object hard strong soft smooth rough



properties
uses
objects
waterproof
absorbent
smooth
rough
stretchy
stiff
hard
soft



suitability
solid
changes
squashing
bending
twisting
similarities
differences

shape



Subject: Year 2 Concept: Materials & States of Matter

Previously, I have learnt...

In Year 2, I am learning...

In the future, I will learn...

My future...

To distinguish between an object and the material from which it is made

To identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock

To describe the simple physical properties of a variety of everyday materials

To compare and group together a variety of everyday materials on the basis of their simple physical properties.

How to identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses

How to investigate how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

The characteristics of different states of matter including solids, liquids and gases.

How water changes state and how to use the names of the different states to identify these.

That some materials change states (at different temperatures e.g. from a solid to a liquid)

How to describe the water cycle and how evaporation can be useful.

Scientist

Doctor

Dentist

Archaeologist

Engineer

Chemist

Teacher

Biochemist

Astronaut

Anthropologist

Environmentalist

Naturalist

Wildlife documentary presenter

properties
uses
objects
waterproof
absorbent
smooth
rough
stretchy
stiff
hard
soft



shape
suitability
solid
changes
squashing
bending
twisting
similarities
differences



gas
state
melting
boiling
evaporation
condensation
degrees Celsius (oC)

solid

liquid



Subject: Year 4 Concept: Materials & States of Matter

Previously, I have learnt...

In Year 4, I am learning...

In the future, I will learn...

My future...

How to identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses

How to investigate how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

The characteristics of different states of matter including solids, liquids and gases.

How water changes state and how to use the names of the different states to identify these.

That some materials change states (at different temperatures e.g. from a solid to a liquid)

How to describe the water cycle and how evaporation can be useful.

To compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets

To use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating

How to explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible.

To demonstrate that dissolving, mixing and changes of state are reversible changes

soluble

insoluble

solution

conduct

insulate

distillation

chromatography

particles

Scientist

Doctor

Dentist

Archaeologist

Engineer

Chemist

Teacher

Biochemist

Astronaut

Anthropologist

Environmentalist

Naturalist

Wildlife documentary presenter

shape
suitability
solid
changes
squashing
bending
twisting
similarities
differences



solid
liquid
gas
state
melting
boiling
evaporation
condensation
degrees Celsius (oC)





Subject: Year 5 Concept: Materials & States of Matter

