



What I should already know:

A range of basic materials and their properties.

The names of some materials and be able to identify wood, plastic, metal, glass, rock, brick and water.

Materials can be made into many different objects.

The same material can be made in to different objects.

By the end of this unit I will know:

The simple physical properties of materials and how these properties make materials useful for a particular purpose.

**Year 2: Materials: Good Choices
Science: Chemistry**



Working Scientifically

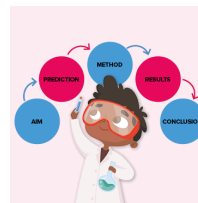
Identifying and classifying.

Observing closely, using simple equipment.

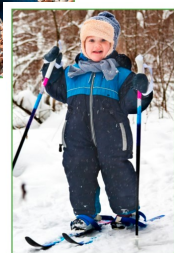
Performing simple tests.

Using observations and ideas to suggest answers to questions.

Observing closely, performing simple tests and using observations to suggest answers to questions and gathering and recording data to help in answering questions.



Which material is best?



Investigation:

Which materials are good for a toddler's play dungarees?

What fabric will make a bedroom dark?

What shall we use to make a teabag?

Which is the bounciest ball?

Vocabulary

Absorbent	Being able to soak up liquid easily.
Bendy	An object that bends easily in to a curved shape.
Dull	A colour or light that is not bright.
Fabric	Cloth or other material produced by weaving together cotton, wool or other threads.
Flexible	Can bend easily without breaking.
Hard	Materials that don't change shape when touched.
Man-made	Materials created by people.
Materials	Any substance that has a name: wood, plastic, metal, glass, water, rock, rubber.
Natural	Materials that exist in nature and are not made by people.
Opaque	Not being able to be seen through.
Rigid	Something that is strong and will not bend.
Shiny	Things that are bright and reflect the light.
Smooth	Materials that have no roughness, lumps or holes.
Soft	Materials that are not rough or hard.
Stretchy	Materials that are slightly elastic.
Translucent	Materials that allow light through but cant clearly see through.
Transparent	Materials that allow light through and objects can be clearly seen.
Waterproof	Materials that do not let water pass through.

Bounces

Cricket ball	Basketball
Rugby ball	Tennis ball
Netball	

Does not bounce

Water polo ball	Bowls ball
Hockey ball	