

## Scientist

Charles Macintosh (inventor of waterproof materials)
Danial Azahan
(Mechanical engineer)
Skills
I'm performing simple tests
like a builder.
I'm using my observations
to suggest answers to
questions like mechanical
engineer.
Careers

## Builder (build structures)

Mechanical engineer (designs, analyses and manufactures mechanical systems)

## Enquiries

Which material would be best fro the roof of a house?

Would a paper boat float forever?

Do magnetic materials always conduct electricity?

Which materials are shiny and which are dull?How have the materials we use changed over time?

Y2 EVERYDAY MATERIALS
Brecknock Primary Schoo

Main idea PRIMARY SCHOOL

Explore in more depth why materials are chosen for certain purposes. Experiment with changing the shapes of solids. Identify and discuss the uses of different everyday materials so that they become familiar with how some materials are used.

## Natural and Man-Made Materials



## What you should already know

Distinguish between objects and the materials they are made of.
Differentiate between natural and manmade materials.
Describe the properties of a selection of materials, such as wood and plastic.

## What comes next?

Compare and group materials together, according to whether they are solids, liquids or gases. Observe that some materials change state when they are heated or cooled and link this to the water cycle.

| Key vocabulary |  |
| :--- | :--- |
| Natural | Absorbent |
| Manmade/synthetic | Flexible |
| Squashing | Rigid |
| Bending | Opaque |
| Twisting | Transparent |
| Stretching | Magnetic |
| Waterproof |  |

## Year 2: Everyday materials

Natural materials: wood, metal, rock, rubber, cotton, leather, wool

Manmade / synthetic materials: plastic, glass, brick, paper, cardboard, ceramic


Bending: to cause to take on a curved or angled form, or a different form.

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Twisting: to wind, coil, or weave around something else.

Stretching: to cause to extend or reach from one point to another.


Waterproof: not letting water through; not absorbent.


Absorbent: able to soak up liquid or moisture.


Flexible: can flex in shape to a curve


Rigid: not bendy or stretchy

Transparent: letting light pass through; gives a clear view of objects on the other side

Opaque: not letting light pass through

Year 2: Everyday materials


