



## Year 2 - Everyday Materials - Chemistry

### What I should already know

- ◆ Sticky knowledge from topics covered in Year 1: Everyday Materials.
- ◆ Objects feel and look different based on the material they are made from.
- ◆ Some uses of glass, metal, wood and plastic,



### Working Scientifically

- How are objects similar / different based on the materials they are made from?
- How are materials similar / different to each other?
- Can you sort natural materials from man-made materials?
- What is the best material for a specific object?

### Sticky Knowledge

- ◆ Identify some common materials that objects are made from e.g. glass, metal, wood and plastic.
- ◆ Some materials are natural while others are man-made. Natural materials are materials which are found in nature. Man-made materials are materials which have been produced by humans.
- ◆ Materials have different properties. Some are able to change shape and stay changed, some change shape temporarily and some cannot change shape at all.
- ◆ Materials are chosen because of their properties e.g. metals are strong and plastic is waterproof.
- ◆ Wood is cut from a tree and is used to make paper and cardboard.
- ◆ John Dunlop developed the first practical inflatable tyre for cars and bikes.
- ◆ Charles Macintosh discovered how to make clothes waterproof.
- ◆ John McAdam invented a new way of building roads.

### Vocabulary

material	Materials are what objects are made from.
properties	Describes what a material is like and how it behaves.
suitability	Having the properties which are right for a specific purpose. E.g. an umbrella must be waterproof.
natural	Things that exist in nature and aren't made by people.
man-made	Things that are created by people.