

Year 1 - Everyday materials

What are the best materials to make wellies out of?

Prior learning

In Reception, you compared materials and talked about their features.

Future learning

In Year 2, you will identify and explain why materials are used for certain things.

In this unit you will:

- Distinguish between an object and the material from which it is made
- Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock
- Describe the simple physical properties of a variety of everyday materials
- Compare and group together a variety of everyday materials on the basis of their simple physical properties

Key Scientists: Mattel Toy Company and Karina Garcia









Slime was invented by the Mattel Toy company in 1976. Karina Garcia now makes slime in her own kitchen and sells it across the world. She is a scientist in the kitchen because she tried out different methods and ingredients.

Science discipline: Chemistry

Chemistry is the study of the make-up of all things and how they behave. It's based on the study of matter, which is what makes up everything in the universe and on Earth.



Scientific diagram

Every day object	Main material	Properties
	Wood	Hard, strong and stiff
	Glass	Transparent, waterproof and smooth.
	Metal	Hard, strong and can be shiny
	Water	Transparent, can be easily moved, takes the shape of the container it is in.
	Rock	Hard, opaque, strong and rough
	Plastic	Dependent on type of plastic. Some plastics are hard (e.g. a ruler) some plastics are stretchy (e.g. cling film)

Vocabulary:

- **Object:** Something that can be perceived by the senses.
- **Material:** The substance used to make something is called a material.
- **Properties:** A property is a quality of something like strength, stretchiness or absorbency. Materials have properties that help them serve specific purposes.
- **Absorbent:** Different types of materials, which can soak up liquid. An absorbent material has small holes in it.
- **Waterproof:** Something that keeps water out. Water cannot pass through an object or material that is waterproof.