

Knowledge Organiser		
Year: 1&2	Term: Autumn 2	Topic: Materials and their Properties

Everyday materials and their properties

Wood:  Hard, strong	Metal:  Hard, strong, shiny
Plastic:  Strong, shiny, bendy	Water:  Runny, wet, clear
Glass:  Transparent, smooth, brittle	Rock:  Hard, strong, rigid

Materials	What something is made from.
Suitability	How good a material is for a job
Properties	What a material is like and how responds to different situations.
Natural	A material found in nature and not made by humans
Man-made	A material made by humans
Absorbent	A material that soaks up liquid easily
Fragile	A material that can break easily
Flexible	A material that is easy to bend
Waterproof	A material that doesn't allow liquid through
Rigid	A stiff material

Water resistant materials do not allow water to pass through them. They can be used to make objects that float on water.



Different objects are made from different materials depending on what they are used for.

Materials can be grouped according to their properties e.g flexible or rigid.

Solid objects made from materials can be changed by squashing, bending, twisting and stretching.



Ole Kirk was a Danish carpenter. In 1932 he founded the construction company The Lego Group. He began by making wooden bricks and blocks but then started using plastic and called the company Lego. In 2021 Lego was the largest toy company in the world. Lego comes in many different colours and shaped bricks.

Learning Objectives

Lesson	Objective		
Lesson 1	I know objects are made from different materials and I can identify and name them.		
Lesson 2	I can describe, group and sort materials according to their properties.		
Lesson 3	I can identify materials which are waterproof or water resistant and carry out a simple experiment to prove this.		
Lesson 4	I know using a force can make materials change shape.		
Lesson 5	I can show what I have learnt.		