

Materials

We will learn...

Materials are used for different purposes based on their properties. For example, wood is used to make furniture and floors. Metal can be used to make coins, cans, cars and cutlery. Glass can used to make windows.

Glass can used to make windows because it is transparent. Rulers can be made from wood, plastic or rubber because these materials are smooth and can be cut straight. Spoons are made from metal, because it is waterproof and can be cleaned easily. They can also be made from plastic for children because plastic is light and it cannot hurt children's growing teeth. The shape of some materials can be changed when they are stretched, twisted, bent and squashed.





Key vocabulary:

man-made	Things which are
	created by people.
natural	Things that exist in
	nature and are not
	made by people.
recyclable	Waste or materials
	which can be
	processed and used
	again.
waterproof	Does not let water
	pass through it.
absorbent	Material that soaks up
	liquid easily.
properties	The qualities or
	features that belong
	to something and
	make it recognisable
	(stand out).



Investigate:

- Which shape floats best?
- What materials are waterproof?
- Which material makes the best boat?



Inspirational Scientists

Julie Brushaw- Solar Roadways inventor and material engineer

Working scientifically

In this topic we develop the following practical skills:

- ✓ Observing closely, using simple equipment
- ✓ Performing simple tests
- ✓ Identifying and classifying
- \checkmark Using their observations and ideas to suggest answers to questions