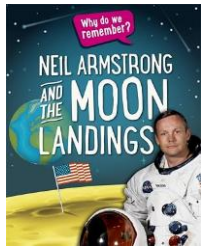
Year 2: Why are some materials more suitable for making an umbrella than others?

Subject Specific Vocabulary

properties	The features of materials - is it smooth or rough? Hard or soft? Is it flexible or rigid?
bend	Bending is changing the shape and direction of something.
twist	To twist something you move one part clockwise and the other part anticlockwise.
stretch	Stretching is to change shape by pulling it to make it longer or wider.
squashing	Squashing is pushing things closely together.
flexible	A material that is flexible can be stretched and bent.
suitable	A material needs to have suitable properties for the purpose it's being used for. Eg. a suitable material for a table is metal because it's robust.
uses	How a material is used. Eg. Plastic has many uses such as clothing, bags, water bottles, paddling pool.
transparent	This means you can see through it.

Interesting Books



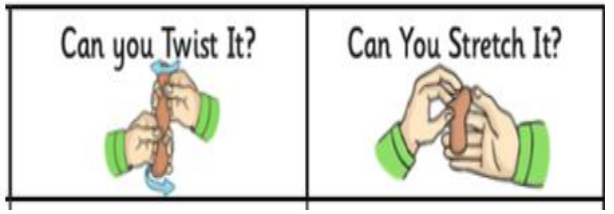




Why was choosing and using the right materials important for Neil Armstrong's journey to the Moon in Apollo 11?

Investigating materials





Sticky Knowledge

Glass is used for windows because it is transparent.

Fabric is used for clothes because it is flexible.

Metal is used for cutlery because it does not bend (rigid).



A metal fork is rigid.



Glass is transparent and hard.



Wood can be used to make many different objects.



Rubber is flexible.