

What will I know by the end of the unit?

Objects are things that you can touch or see.  
 Objects are made from materials.  
 Objects are things you can touch or see.  
 Objects are made from materials.  
 Some materials that objects are made from (e.g. **glass, wood, plastic**)  
 Some words to describe materials (e.g. **shiny, soft, rough, absorbent**)

Which materials are some objects made from?



What words can I use to describe materials?



What are materials used for?

Materials are used for different **purposes** based on their **properties** (**glass** = windows, **wood** = floors, **metal** = cans, coins)

What properties of materials make them suitable for a particular use?

Glass can be 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 can be made from **metal** because it is **waterproof** and easy to clean but also **plastic** because it is light and cannot hurt children's growing teeth.

How can you change the shape of materials?

The shape of some materials can be changed when they are **stretched, twisted, bent** and **squashed**.



What should I already know?

- Similarities and differences between common, everyday objects (EYFS)
- Distinguish between an object and the material from which it is made (Y1)
- Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock (Y1)
- Describe the simple physical properties of a variety of everyday materials (Y1)

Vocabulary

object	something that you can see or touch
material	what things are made from
change	to make something different
squash	crush or squeeze something to make it flat, soft or out of shape
stretch	make something longer or wider without breaking it
translucent	if something is <b>translucent</b> , it is a little bit see-through but not clear
opaque	if an object or substance is <b>opaque</b> , you can not see through it
unsuitable	not right to be used for something
suitable	right to be used for something
stretchy	slightly elastic
transparent	if an object is <b>transparent</b> , you can see through it