Vocabularu

What should I already know?

Similarities and differences between common, everyday obiects (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)

What will I know by the end of the unit?

Objects are things you can touch or see.

Objects are made from materials.

Some materials that objects are made from (e.g. glass, wood,

Some words to describe materials (e.g. shiny, soft, rough, absorbent)

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.









Vocabulary	
bend	when something can become curved
flexible	something that can bend easily and not break
non- reflective	cannot reflect light
opaque	if an object or substance is opaque , you can not see through it
pull	a force that changes the direction of an object towards you
push	a force that changes the direction of an object away from you
process	a series of actions used to produce something or reach a goal
properties	the qualities and features that belong to something and make it recognisable
recyclable	waste or materials which can be processed and used again
reflective	a shiny surface that lets light bounce off it
rigid	something that does not bend or move
squash	pressed or crushed with such force that something loses its shape
suitable	something good or acceptable to use for a particular purpose or occasion
translucent	something that is a little see through and lets some light through
transparent	if an object is transparent , you can see through it
twist	turn something to make a spiral shape
unsuitable	something that does not have the right properties for a particular purpose

Investigate!

- Compare the uses of everyday materials in and around the school with materials found in other places.
- Observe closely the uses of different materials and record your observations.
- Distinguish between absorbent and waterproof materials. Discuss what happens when water is placed on these materials.
- Consider why some **properties** of materials make them suitable or unsuitable for different uses.
- Investigate if some items can be made by more than one material (cutlery) and explain why.
- Investigate if some materials can be used to make more than one thing.
- Discuss which materials are **recyclable** and why. Follow the recycling process.
- Investigate how some objects can be changed by squashing, twisting and stretching.