

KEY STAGE ONE

Science, Technology, Engineering and Maths

Lesson one

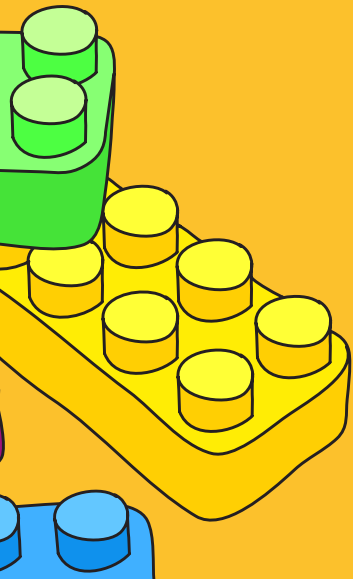
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Learning objective

To be able to identify an object and the material it is made from

To compare and group together everyday materials



Activity one

Explore the classroom and collect **objects** to place in the container labelled with the **material** the object is made from.

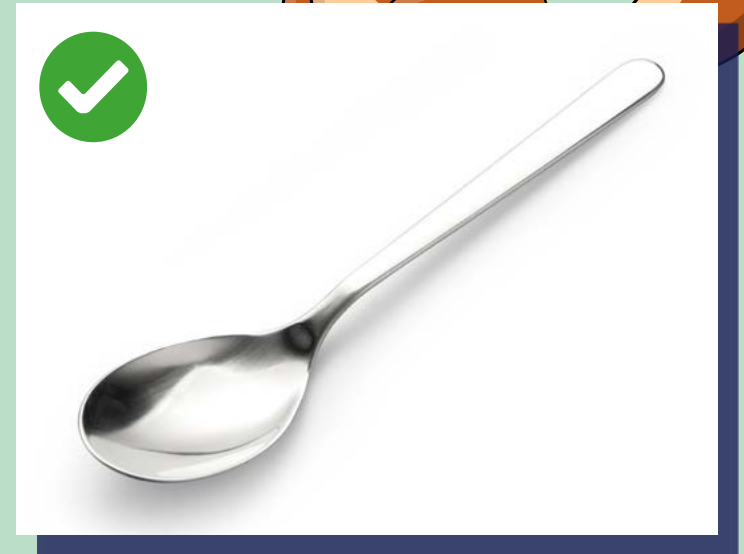
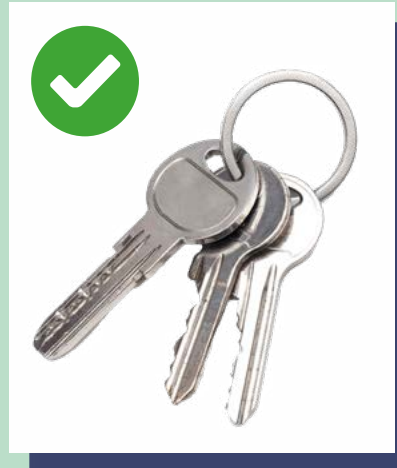


Everyday materials

What objects at home are made from **metal**?



What objects at home are made from metal?



Why is **metal** a good material to make a spoon from?



Why is **metal** a good material to make a spoon from?

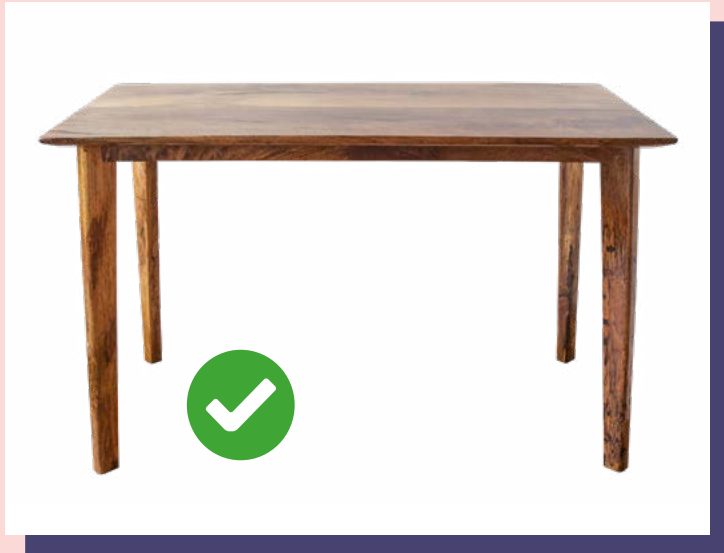


- ✓ Metal is **strong** and lasts for a long time
- ✓ It is **shiny** and easy to clean

What objects at home are made from wood?



What objects at home are made from wood?



Why is **wood** a good material for a door?



Why is **wood** a good material for a door?

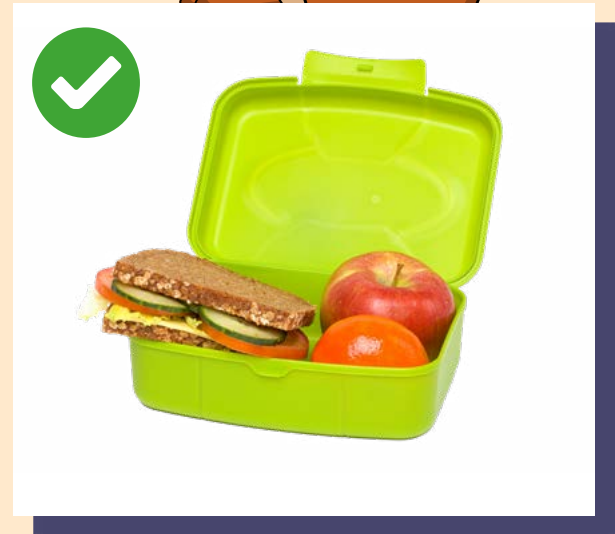
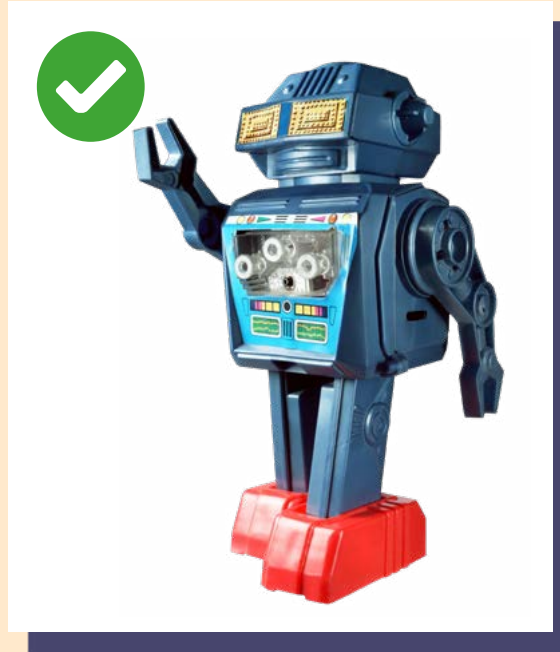
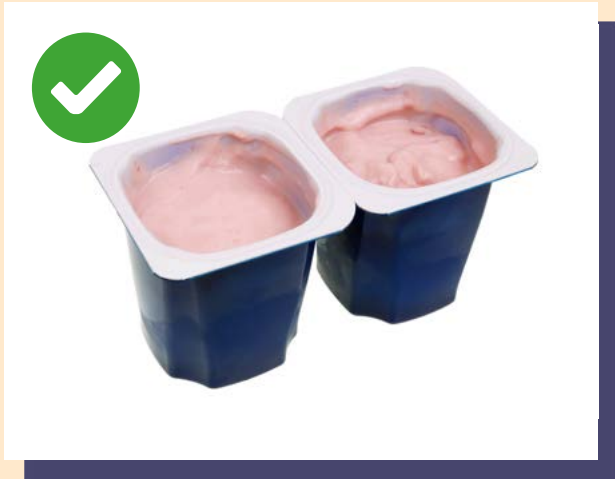
- ✔ Wood is a **hard material** so it can stop people entering a room or house
- ✔ Wood can be made **waterproof**
- ✔ It is easy to shape



What objects at home are made from plastic?



What objects at home are made from plastic?





Why is **plastic** a good material for a reusable drinks bottle?



Why is plastic a good material for a reusable drinks bottle?

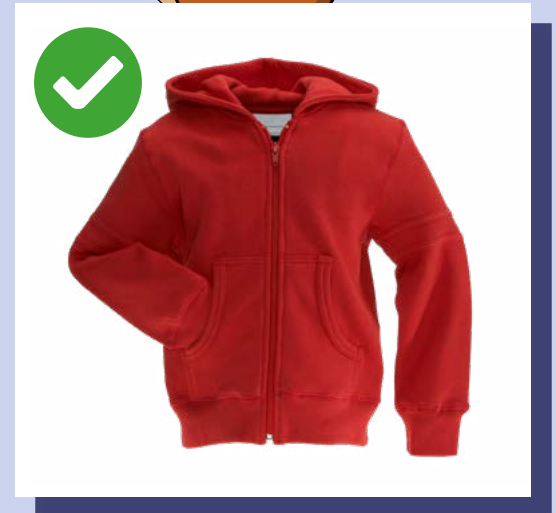
- ✓ Plastic is waterproof
- ✓ It can be hard, rigid and long lasting
- ✓ It is easy to clean



What objects at home are made from fabric?



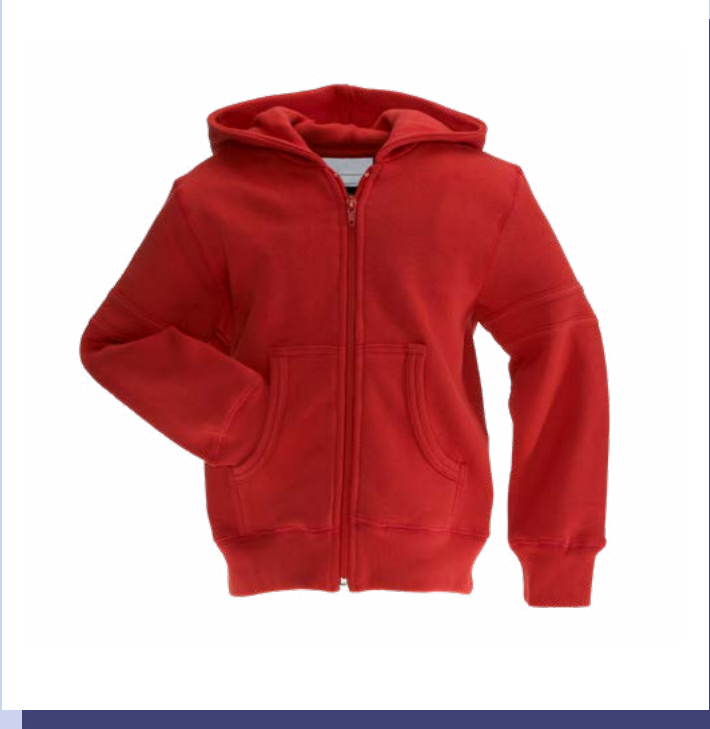
What objects at home are made from fabric?





Why is **fabric** a good material to make a jumper from?





Why is **fabric** a good material to make a jumper from?

- ✓ Fabric is **soft**
- ✓ It can keep you warm



What objects at home are made from cardboard?



What objects at home are made from cardboard?





Why is **cardboard** a good material for parcel boxes?





Why is **cardboard** a good material for parcel boxes?

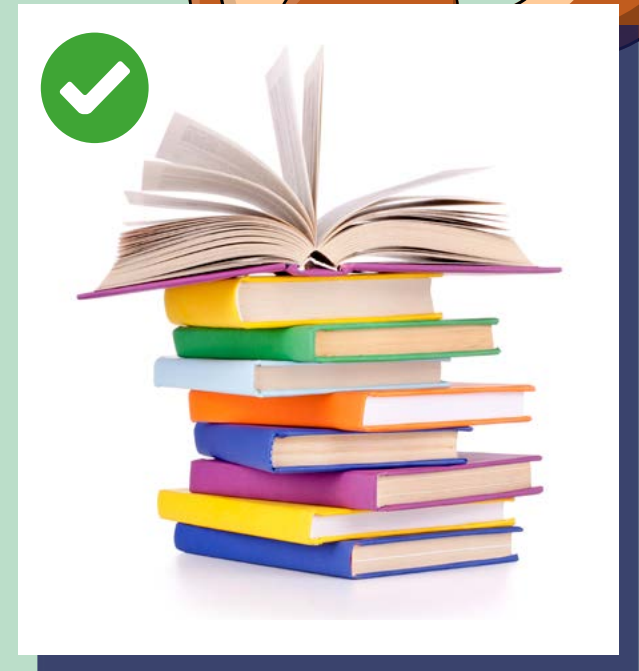
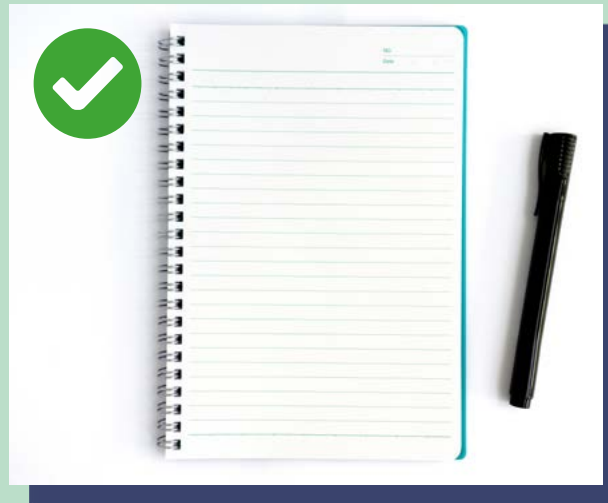
- ✓ **Cardboard is lightweight**
- ✓ **It is rigid so it can protect the objects inside**



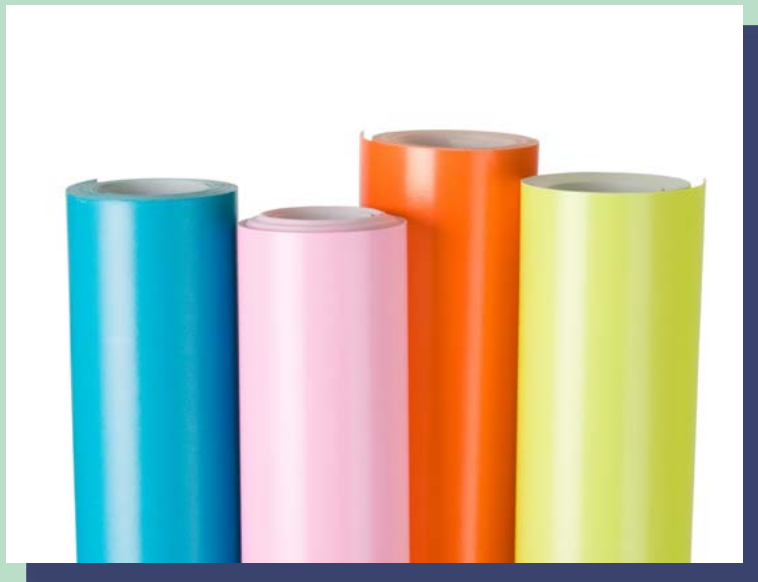
What objects at home are
made from **paper**?



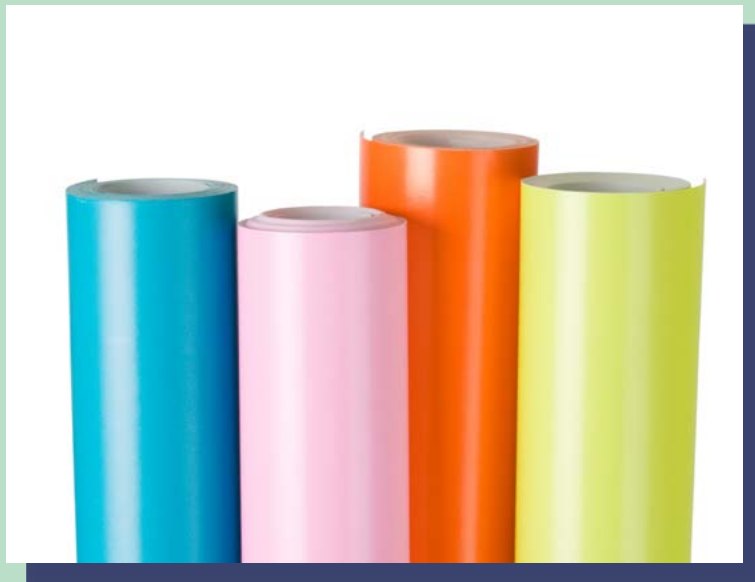
What objects at home are made from paper?



Why is **paper** a good material to wrap presents in?



Why is **paper** a good material to wrap presents in?

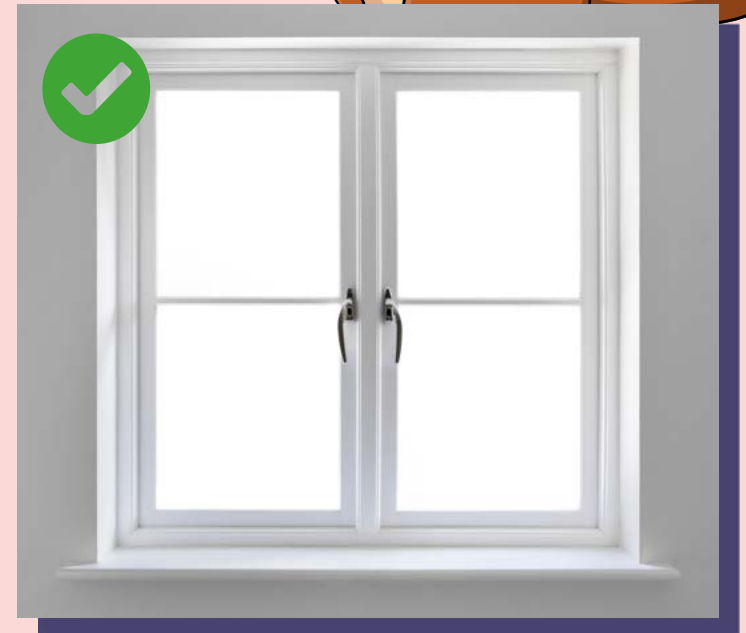


- ✓ Paper is **lightweight**
- ✓ It is **flexible** so it is easy to wrap around objects

What objects at home are made from **glass**?



What objects at home are made from glass?



Why is **glass** a good material to make a window from?



Why is **glass** a good material to make a window from?



- ✓ Glass lets light through
- ✓ It's see-through, **transparent**
- ✓ It's doesn't let the rain in, **waterproof**



Activity two

What words describe these objects?



My woollen gloves are



My umbrella is

My swimming goggles are



Soft

Lightweight

Waterproof

Stretchy

Hard

Transparent

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Lightweight

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Stretchy

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Transparent

Activity three

What two **material** groups can we make?



Activity three

What two **material** groups can we make?



Fabric



Plastic

Activity three

Using **adjectives**, what two groups could we make?



Activity three

Using **adjectives**, what two groups could we make?



Hard



Soft

Activity four

