

KEY STAGE ONE

# Science, Technology, Engineering and Maths

## Lesson one

GREATER MANCHESTER EDITION

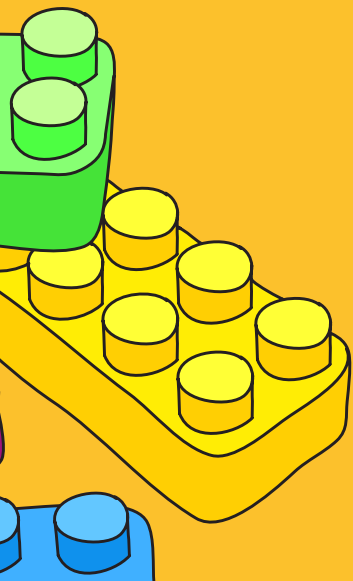
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# Learning objective

**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?



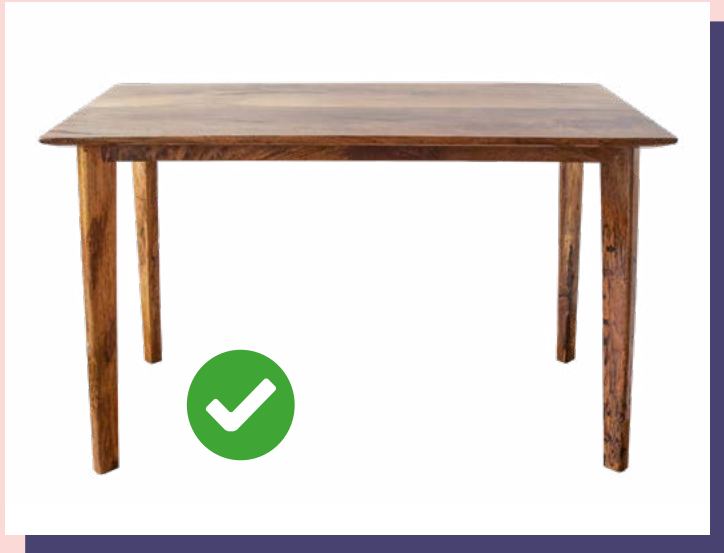
- ✓ Metal is **strong** and lasts for a long time
- ✓ It is **shiny** and easy to clean

# 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?

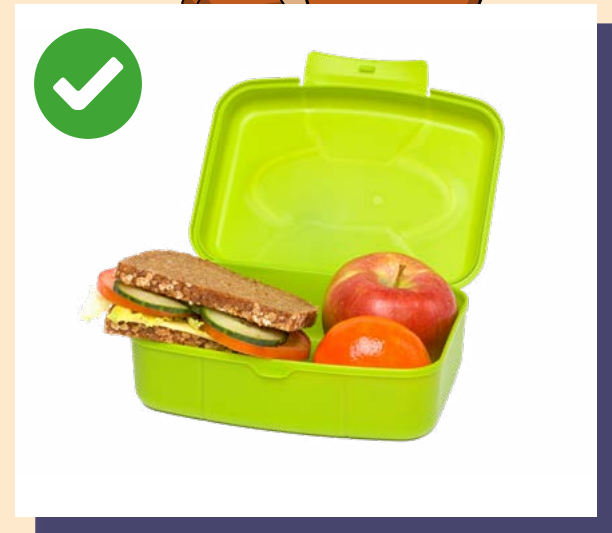
- ✓ Wood is a **hard material** so it can stop people entering a room or house
- ✓ Wood can be made **waterproof**
- ✓ It is easy to shape



# 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

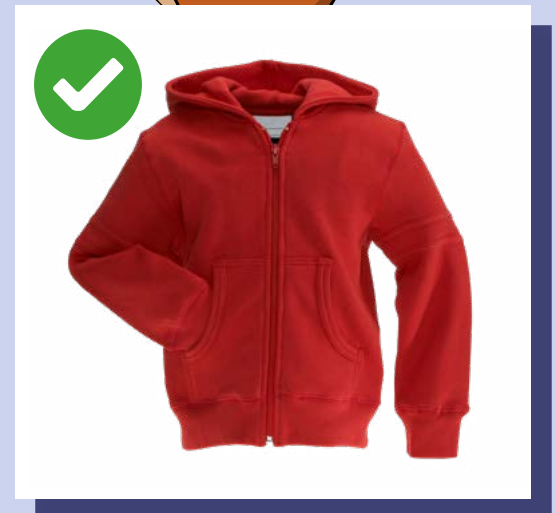


# What objects at home are made from fabric?





# 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?**

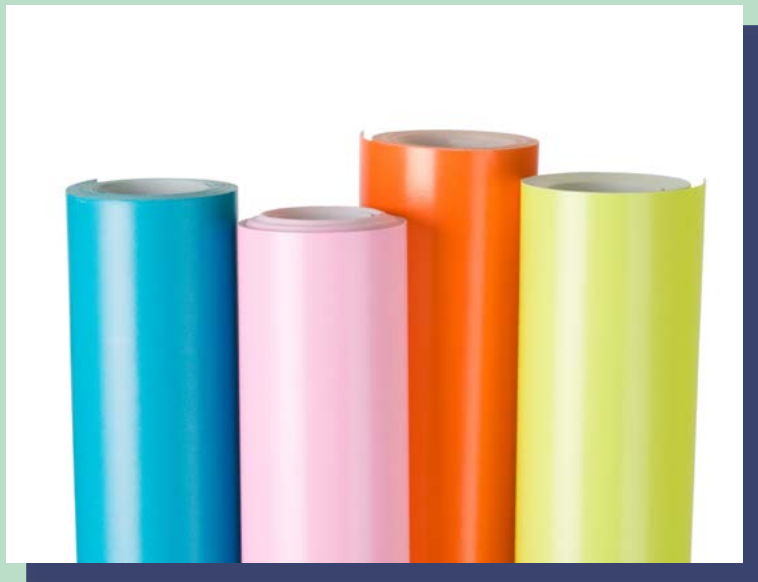




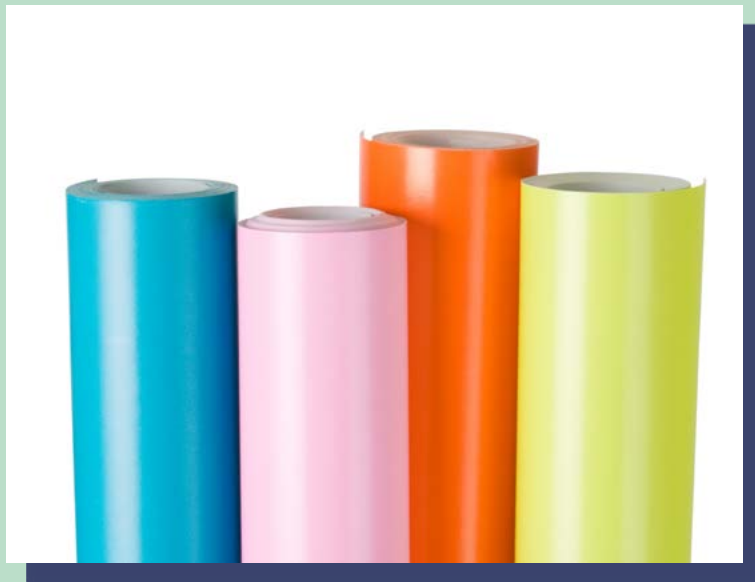
# What objects at home are made from paper?



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



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

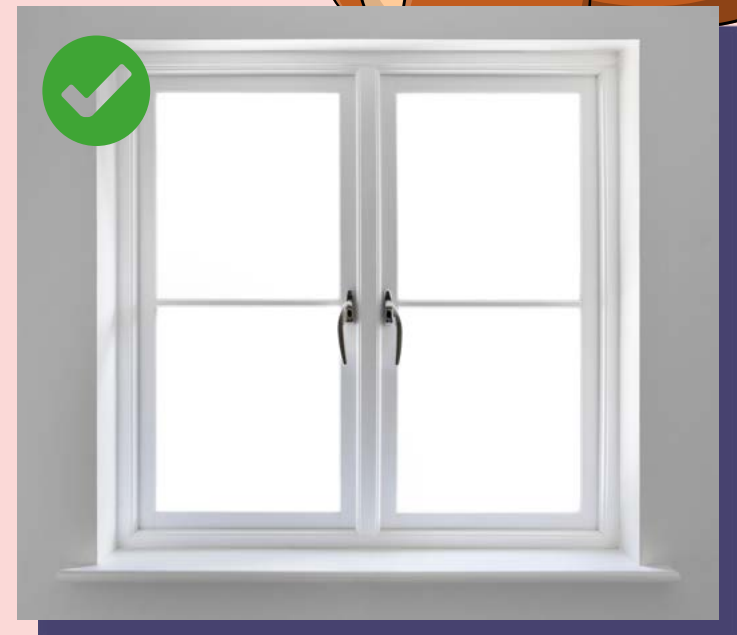


- ✓ Paper is **lightweight**
- ✓ It is **flexible** so it is easy to wrap around objects

# 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



# Activity two

## What words describe these objects?



My woollen gloves are **Soft** .....



My umbrella is .....

My swimming goggles are .....



**Soft**

**Lightweight**

**Waterproof**

**Stretchy**

**Hard**

**Transparent**

# Activity two

## What words describe these objects?



My woollen gloves are **Soft** .....



My umbrella is **Waterproof** **Lightweight** .....

My swimming goggles are .....



**Soft**

**Lightweight**

**Waterproof**

**Stretchy**

**Hard**

**Transparent**

# Activity two

## What words describe these objects?



My woollen gloves are **Soft** .....



My umbrella is **Waterproof** **Lightweight** .....

My swimming goggles are **Transparent** **Stretchy** .....



**Soft**

**Lightweight**

**Waterproof**

**Stretchy**

**Hard**

**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**



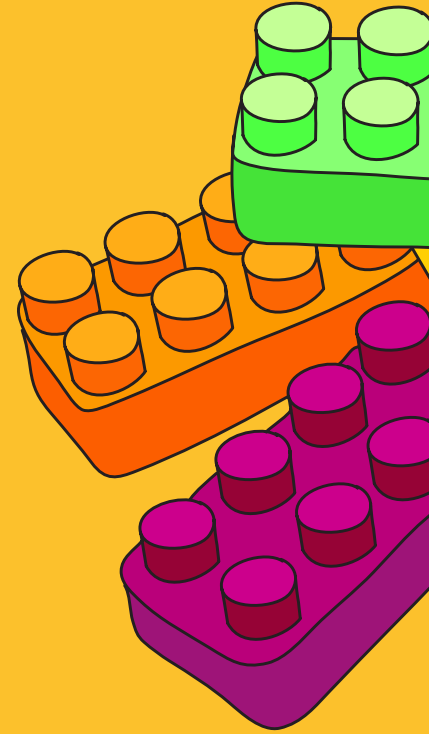
**Soft**

# Activity four





# Summary



- ✓ Things can be made from different materials.
- ✓ The material is chosen because it has properties that make it suitable for that job.
- ✓ Some materials can be reused, which is better for the environment than throwing them away.