

LOWER KEY STAGE TWO

# Science, Technology, Engineering and Maths

## Lesson two

provided by



# Why reduce the materials we use?

In the UK, we produce around 100 million tonnes of rubbish every year.

One tonne is about the weight of a small car. 

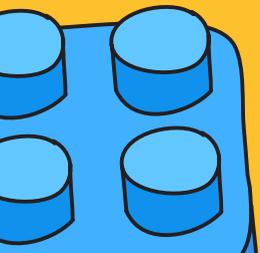
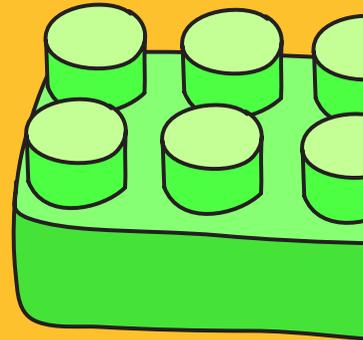
# Why reduce the materials we use?



**In less than two hours, the rubbish we produce would fill the Albert Hall in London!**

# Learning objective

To understand how **reducing** the amount of materials we use everyday, and **reusing** and **recycling** materials where possible, helps our environment



# Activity one

What kind of **materials** do we throw away?



# Activity one

What kind of **materials** do we throw away?



# Activity one

What kind of **materials** do we throw away?

**Glass**

**Paper and cardboard**

**Plastic**

**Metal**

steel and aluminium



Can you think of any other materials?

# Reduce



# Reduce



# Reduce



# Reduce



# Reduce



# Reuse

What did these objects start out as?



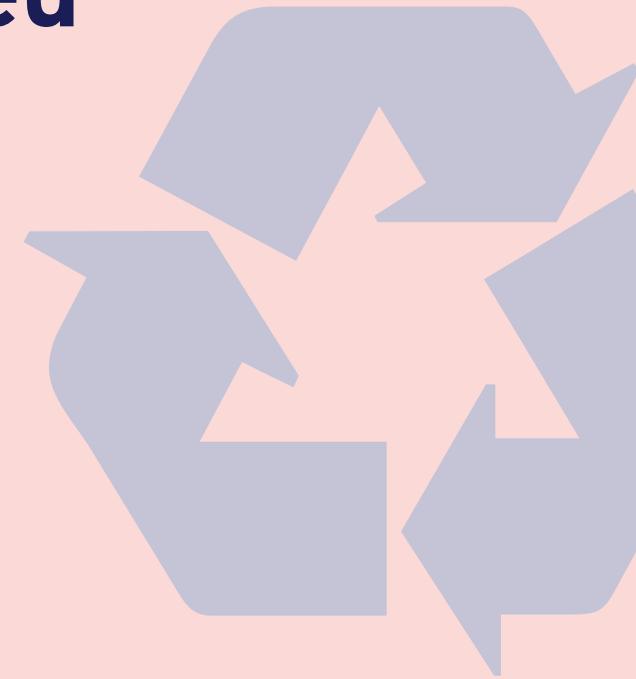
# Reuse

- ✔ Charity shops
- ✔ School swap shops
- ✔ Giving things away



# Recycle

What **materials** can be recycled and made into new objects?



[youtu.be/VlRVPum9cp4](https://youtu.be/VlRVPum9cp4)

# Activity two

Sort these objects into **two categories**,  
recyclable and non-recyclable



# Activity two

Sort these objects into two categories, recyclable and non-recyclable

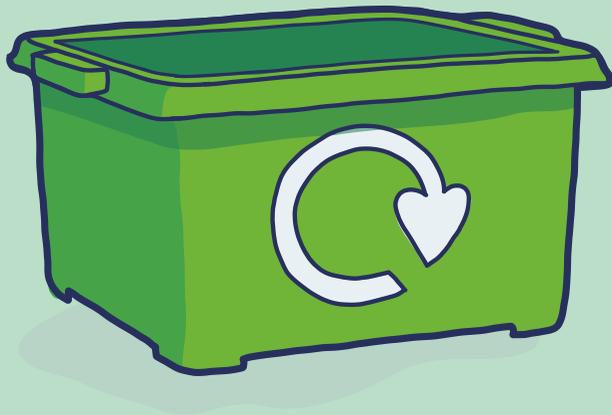


**Recyclable**



**Non-recyclable**

# Activity three



**Recyclable**



**Non-recyclable**



**Compostable**

# What have we learnt about materials today?

- ✔ We choose **materials** that have **properties** that are suitable for the object they become.
- ✔ Using less **raw materials** and energy to make objects is better for the environment.

## Categories

**Recyclable, compostable and non-recyclable**

# How can we help the environment?



[youtu.be/kY5Qz4TuV5Q](https://youtu.be/kY5Qz4TuV5Q)

# Captain of recycling

What would your Captain of recycling look like?

What would they say and do?

How could they encourage people to look after the environment by reducing, reusing and recycling materials?

