

Lesson plan

We are currently producing more waste than ever before, which is having an impact on our environment.

It is important that we consider how we can **reduce** the amount of **materials** we use in the first place, **reuse** the **objects** we have and **recycle** materials to make other products.

Lesson time
60 minutes

You can deliver the lesson in small table groups or as a whole class.

Resources you will need

- ✔ The lower key stage two lesson two presentation
- ✔ For activity three
 - ✚ Set of 'waste cards' for each group (included at the end of this document)
 - ✚ Picture of each bin – recyclable, compostable and non-recyclable (included at the end of this document)
- ✔ For homework / extension activity
 - ✚ Print a task sheet for each child (included at the end of this document)

Lesson two

SLIDE 2-3 —○ Introduce the lesson and explain that we are going to be looking at materials and in particular the materials we might throw away.
Read out the facts and pose the questions: Why do you think it's important to reduce the amount of materials we use? What can we do about the amount of rubbish we make each year?

SLIDE 4 —○ **Learning objective**
To understand how reducing the amount of materials we use everyday, and reusing and recycling materials where possible, helps our environment.

SLIDE 5-7 —○ **Activity one**
In pairs, ask the class to write down the materials they can spot in the bin.
Extension questions: What properties do these materials have? What other things do we throw away (food waste, shoes, DVD's, clothes etc)?

SLIDE 8 —○ **Reduce**
Introduce the concept of reducing waste. Ask the class why this is a good picture to represent reducing waste. Can they give you any other examples? What materials are not being used if we shop this way?

SLIDE 9-10 —○ Which is the best fruit and veg to buy? Why? What do we know about the packaging and how it can harm the environment?

SLIDE 11-12 —○ What materials are these made from? What properties make them good to hold drinks? Why is the one on the right better for the environment?

SLIDE 13 —○ **Reuse**
What materials are they made from?

SLIDE 14 —○ Ask the class if they can think of any other ways to reuse objects and items they no longer want?

SLIDE 15 —○ **Recycle**
What materials can be recycled and made into new objects?
Watch video (youtu.be/VLRVPum9cp4 – skip ads).
Recap to identify the main materials that can be recycled.



SLIDE 16-17 — Activity two

Ask the class which objects would go into the recyclable category and non-recyclable category.

SLIDE 18 — Activity three

Before you start the activity, this is a good opportunity to talk about the different bins in your area and what is collected from home. If the class don't already know, explain a little about composting.

Introduce the three different bins and set up the three bin cards at the front of the classroom or on separate tables. Hand out sets of waste cards and ask the class which bin they will put the waste in. When completed, review with the class and address any incorrect cards.

Rather than putting the clothes, shoes and DVD's in the bin, what else could we have done with them? Why is that better than putting them in the bin?

SLIDE 19 — Summary

Discuss today's learning. For example, plastic is waterproof, thus a good material for a drinks bottle. Can the class give other examples?

SLIDE 20 — How can we help the environment?

Show the video - youtu.be/kY5Qz4TuV5Q



SLIDE 21 — Homework / extension activity

Ask the children to consider what their environmental superhero would look like. What would they say? How would they encourage people to reduce, reuse and recycle? Give each child a copy of the task sheet.

Extended learning opportunities

We've Got The Whole World In Our Hands - Earth Day Song

youtu.be/e1QU0IyE7q0

The Importance of the 3Rs

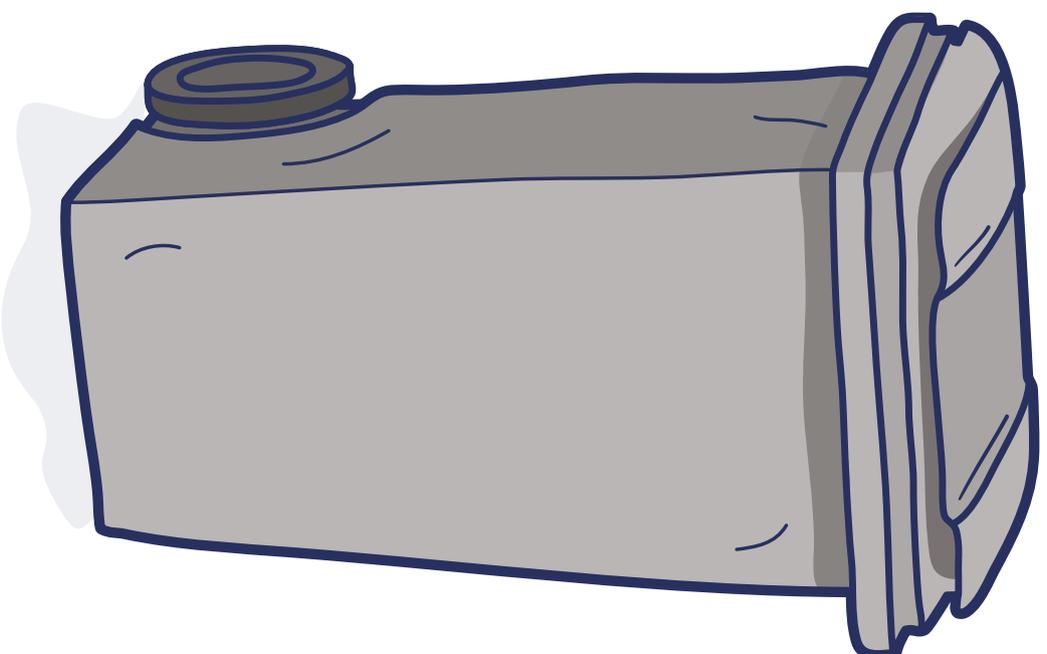
youtu.be/GJr2z8g1d0I

Recycling activity pack

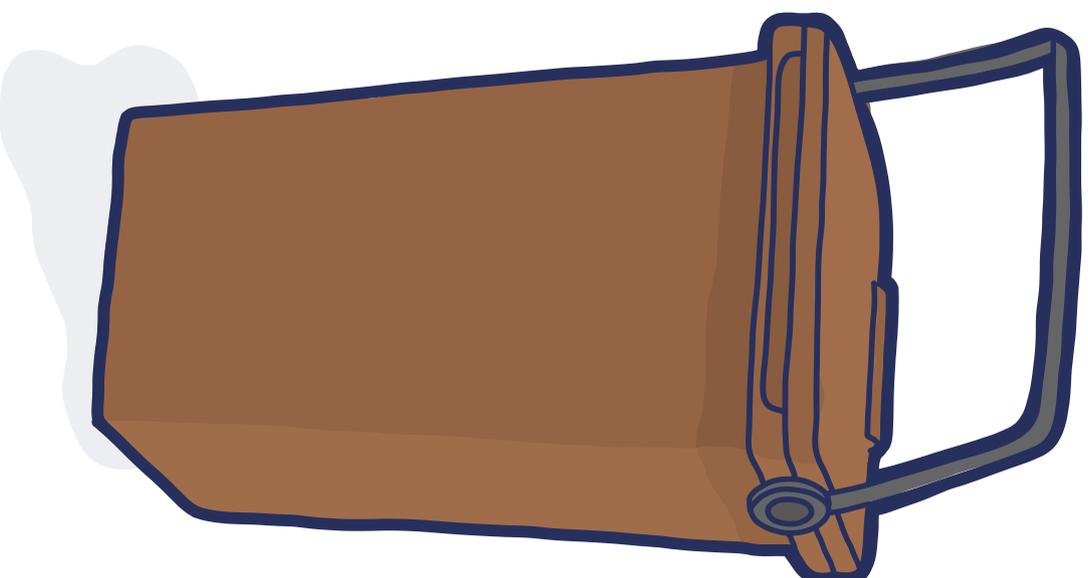
www.cbenvironmental.co.uk/docs/Recycling%20Activity%20Pack%20v2%20.pdf



Recyclable



Non-recyclable



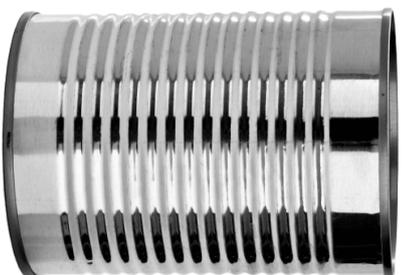
Compostable



Cardboard



Rubber



Steel



Glass



Paper



Wood



Plastic



Aluminium



Apple core



Fabric



Banana skin



Stone



DVDs



Toys



Leftover food



Shoes

What message would your superhero give about reducing, reusing and recycling?

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Draw your superhero here



What materials can you recycle?

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What is your superhero called?

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What three things could you do at home or school to help the environment?

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