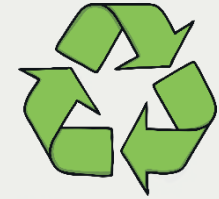


All about Recycling Science

13.11.20



Today's Learning



In today's lesson we will find out all about recycling.

You will look at the different materials we recycle and find out how these materials are sorted.

First of all, you and your grown up need to read through this file and watch the video using the **link on page 14**.

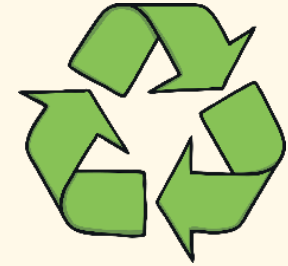
After you have watched the video about how recycled items are sorted, I want you to draw some pictures and write a caption for each to explain what happens after your recycling is collected.

There's also a challenge activity to look out for.

I can't wait to see what you do so please send lots of photos to me at year2@st-jo-st.dudley.sch.uk

Aim

I can explain the process of recycling.



Success Criteria

- I can identify materials that can be recycled.
- I can tell you how you can recycle materials.
- I can tell you how materials are sorted and changed into new products.
- I can give reasons why it's important to recycle.



What Is Recycling?

Recycling is when things that are no longer wanted are reused to make something new.

For example, when you finish reading a newspaper and put it in the recycling bin, it is taken away to a factory and turned back into new paper that can be used again.



Photo courtesy of NS Newsflash (@flickr.com) - granted under creative commons licence - attribution

Which Materials Can Be Recycled?

These pictures show some of the main items that we recycle.



Most paper and cardboard can be recycled.



Most glass can be recycled.



Many types of plastic can be recycled.



Most metals can be recycled.

What Other Materials Can Be Recycled?



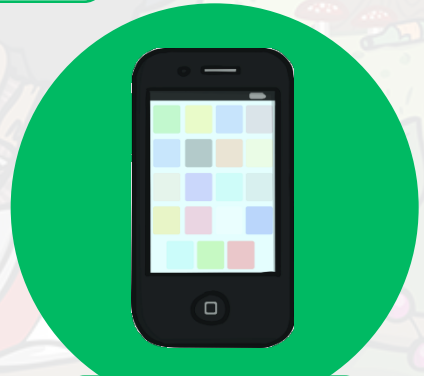
fabrics



food



garden waste



electronics



batteries

All of these items can be recycled

Why Is It Good to Recycle?

Recycling is good because it means that we have less rubbish littering our world.

This helps to protect animals and their homes by making sure less rubbish ends up in places like forests and seas.

It also means fewer trees are cut down to make new things.



How Do We Recycle?



If you see this symbol on an object, it means that it can be recycled.



There are lots of different symbols on packaging that also mean you can recycle them – have a look at home and see if you can spot them!

Where Do We Put Our Recycling?

We can recycle our rubbish at home.

We put it in a **recycling bin** and a truck comes to empty the bin from outside our homes.



Where Do We Put Our Recycling?



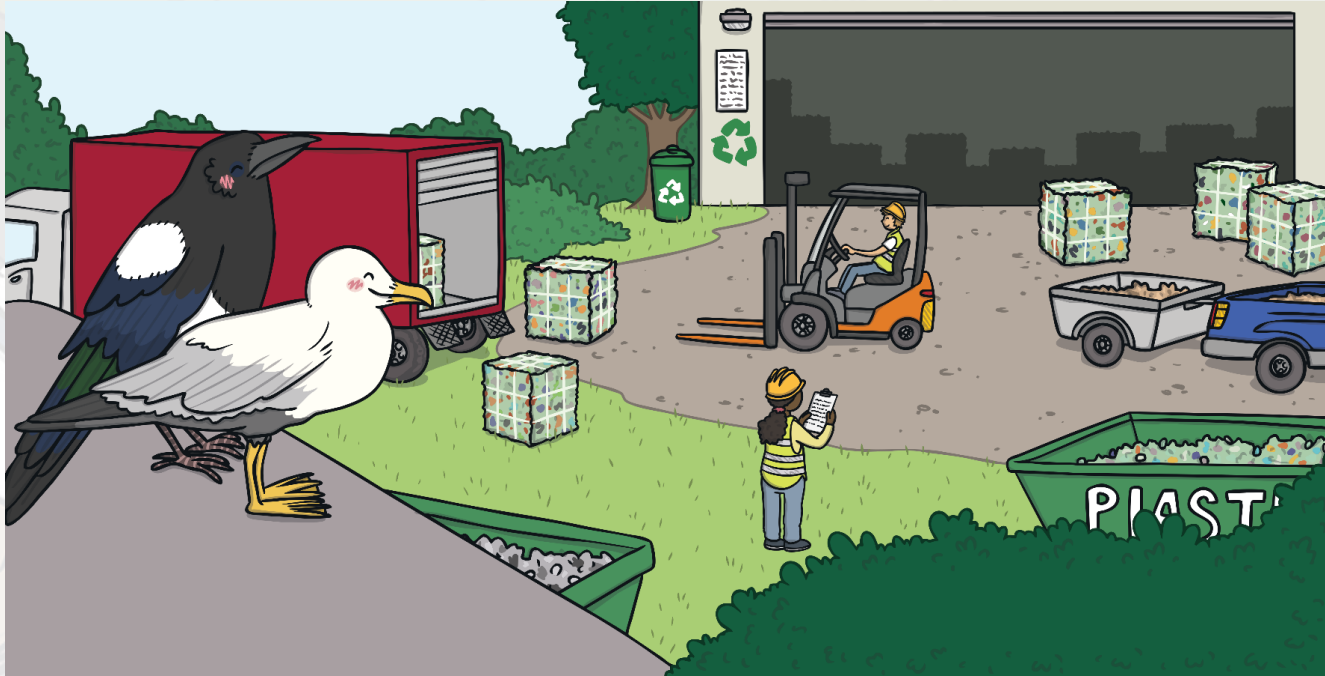
We can also take our rubbish to a **recycling centre** or to **recycling banks**. These can be found at places such as supermarkets.

Talk to your grown up about how you recycle at home.



Write a short explanation of what and how your family recycle.

Where Does Our Recycling Go?



The rubbish is sorted at a large place called a **recycling facility**. It is put into large bundles and taken to factories where it is turned into something new.

How Is Rubbish Recycled?

Glass and **metal** are washed and then broken into small pieces. The pieces are then melted and made into new things, such as glass bottles, glass jars, metal cans or even metal parts for cars!



How Is Rubbish Recycled?

Paper is washed in soapy water. It is then mixed and rolled out before being left to dry. It is then turned into different types of new paper and card, such as newspapers.



How Is Rubbish Recycled?

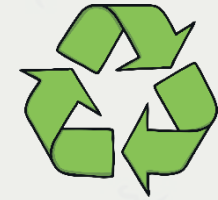
Some **plastic** can be recycled, such as bottles and carrier bags.

They are first crushed into very small pieces. These pieces are melted and turned into new things, such as T-shirts, carpets and new plastic bottles.



[Watch this video to see the sorting of materials in action.](#)

Your Task



Now you know what happens to your recycling.

Using the sheet on the next page, explain how your recycling is sorted at a recycling centre. Draw pictures and add a caption to each one.

Remember,
you don't need
to print
anything; you
can do all your
work on paper.



1.

2.

3.

4.

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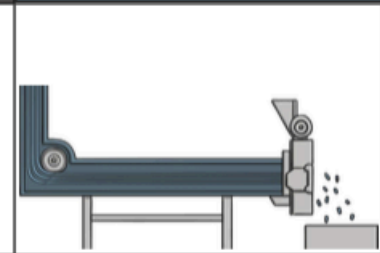
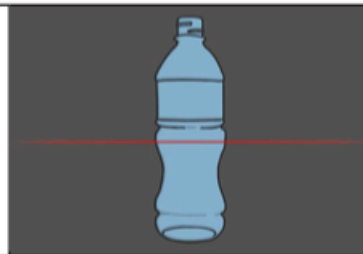
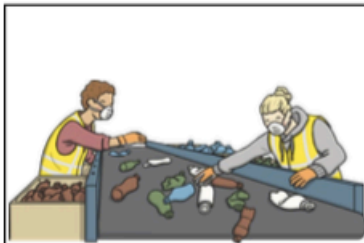
6.

Here are some pictures and key words to help you.



Word Bank:

bottles scanned sorted shredded
separated melted cleaned pellets collected





Time to Reflect

Listen to Mrs Riley reading the story of 'Somebody Swallowed Stanley' by Sarah Roberts. Click on the link on our remote learning page.

Now think about why it is important to recycle. What do we do at home? What do we do at school? Could we do more? Talk to your grown up about this.



Using the sheet on the next page – or just on paper- create a poster encouraging more recycling either at home or at school.



Recycle Poster



Design a poster to display in a room of your home to encourage the members of your family to recycle.

The example below shows how you can encourage someone to recycle in the kitchen.



Draw your poster here:

Choose your room and write some notes about what to recycle and how it can be recycled.

Well done, Year 2.

I can't wait to see all your work.

Please send lots of photos to me at:

year2@st-jo-st.dudley.sch.uk

