



Friday 12th March 2021

Innovating for the future

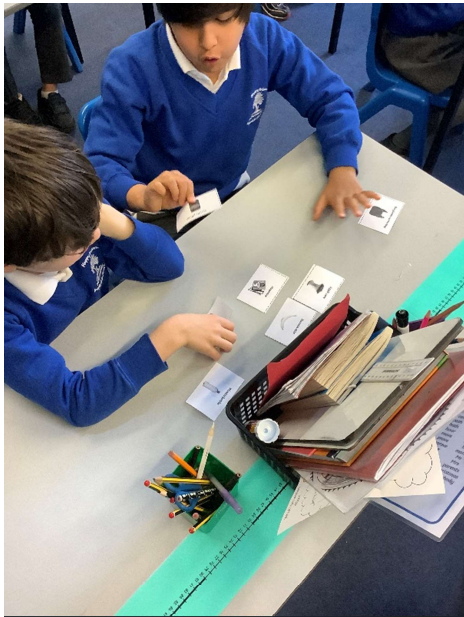
As part of British Science Week the whole school took part in a special science day. The aim is to celebrate not only science but also engineering, technology and maths.

The children had a fun day of activities and learnt some important information.

We began with a problem.



What questions do you have?



You have given been eight picture cards.



Place them in a timeline on your desk, from the fastest to the slowest item to decompose.

2020

3020

I think the plastic bottle will take the longest to decompose.



They were surprised to discover that the a plastic bottle takes **450 years** to decompose and a mobile phone takes **1000 years!**

Plastic investigation

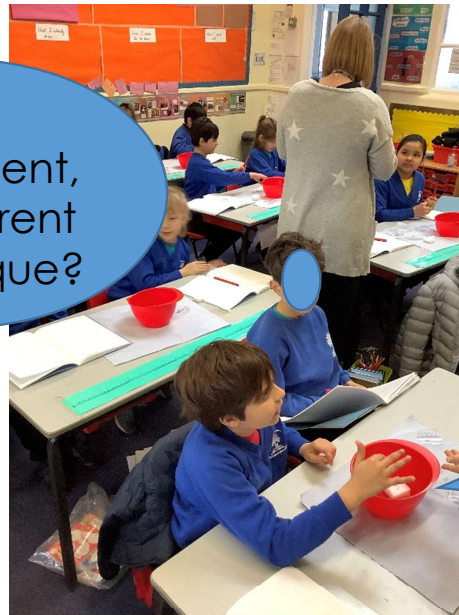
All classes took part in an investigation to find out which types of plastics can be recycled by carrying out a test on some everyday plastic objects.



Does it float or sink?

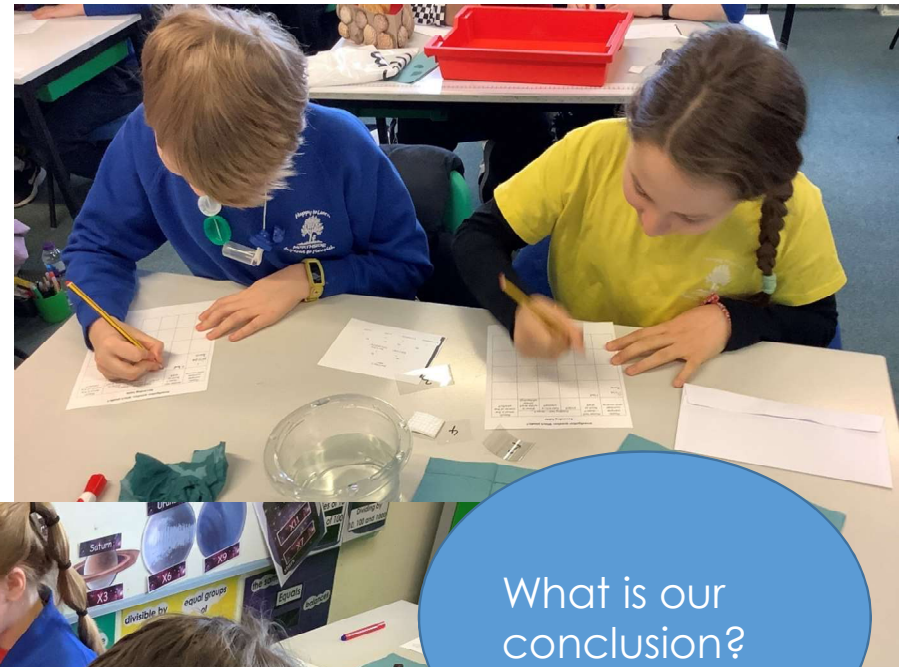


Is it translucent, transparent or opaque?



Does it bend easily?

Does it show stress whitening when you bend it?



What is our conclusion?



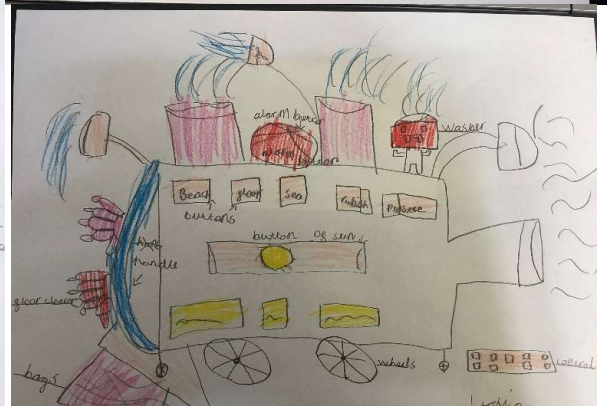
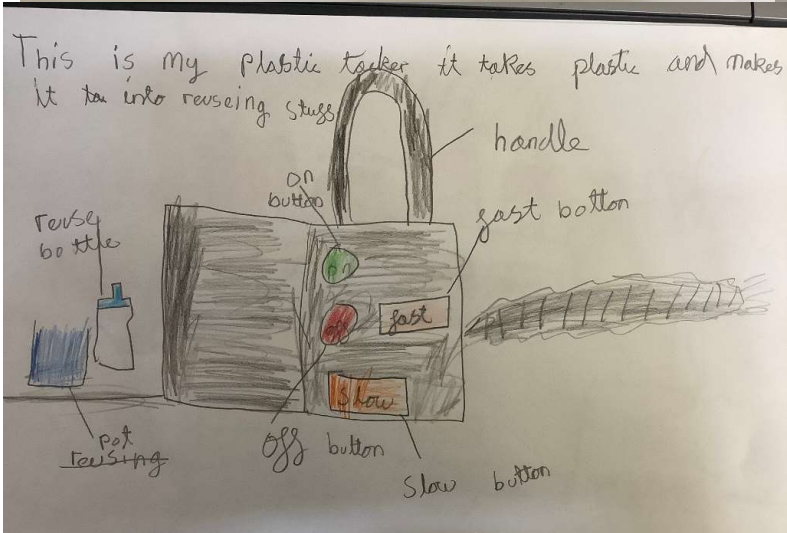
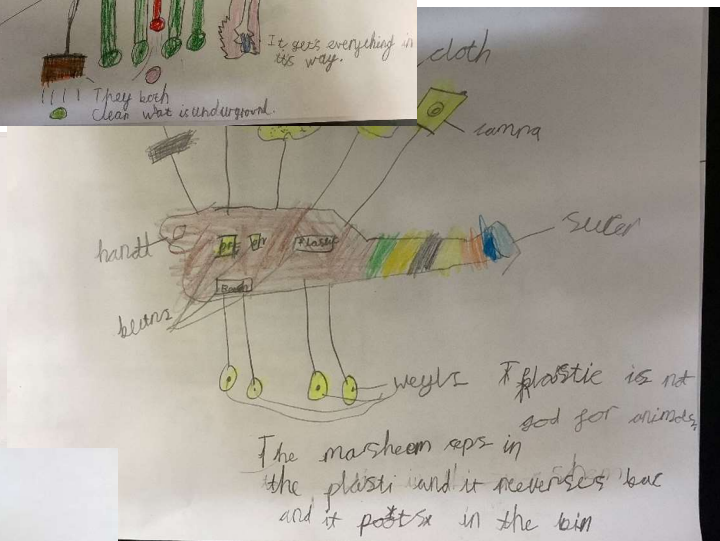
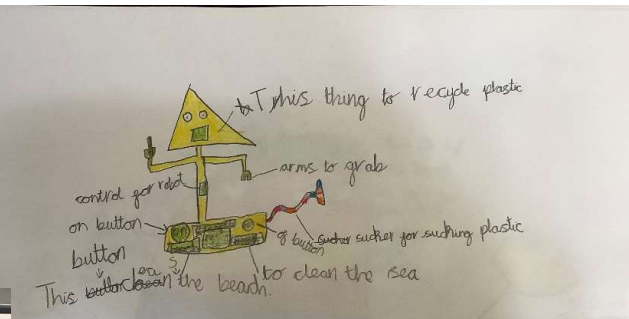
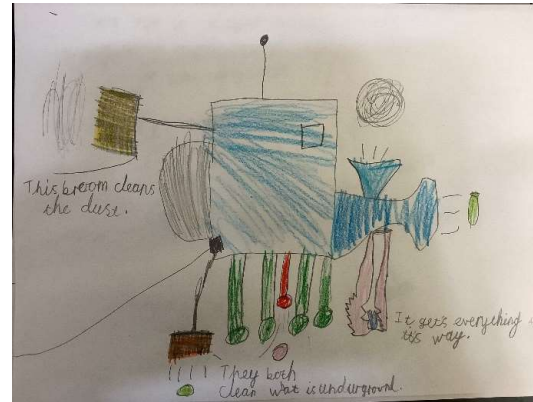
They discovered that not all plastic is the same, and not all plastic can be recycled.

Innovating for the future

The children were asked to use their imagination to create a magnificent machine to help solve the problem of plastic waste.



Posters from University of York



Dressing up challenge

The children were asked to reuse some waste plastic and create an item of clothing or an accessory.

The children looked brilliant and used lots plastic including plastic bags, milk bottle tops, crisp packets or straws.

How creative they all are!

University of Oxford



Nottingham University

Durham
University



University
of York



Queen's
University





Cardiff University

The University of Edinburgh



The University of Bristol

The Eco Ambassadors were judges and awarded prizes to the most innovative and creative designs in each key stage.



Emma in University of Oxford for her amazing Ikea coat



Yahya in The University of Edinburgh for his superb jacket



Arum in Durham University for his brilliant backpack

Nicole in Queen's University for her spectacular shoes



Other science activities
that the children did during
the day.

University of Oxford



Making a volcano



Recycling outfits



Investigating magnets

University of Nottingham



Testing floating
and sinking



Learning about
healthy eating

University of Nottingham

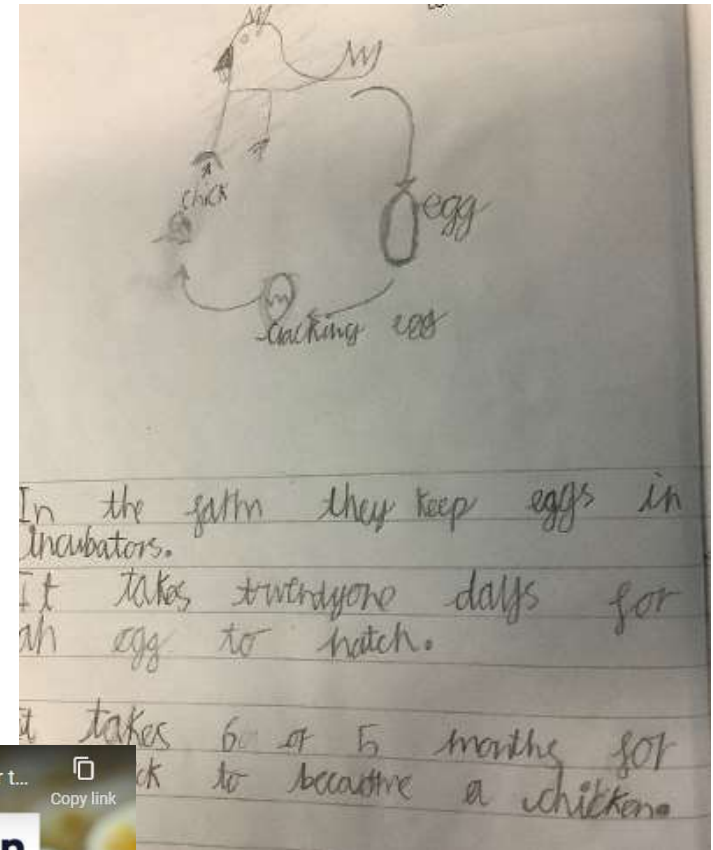


Making a recycled plastic outfit



Designing and making a recycled face mask

Durham University

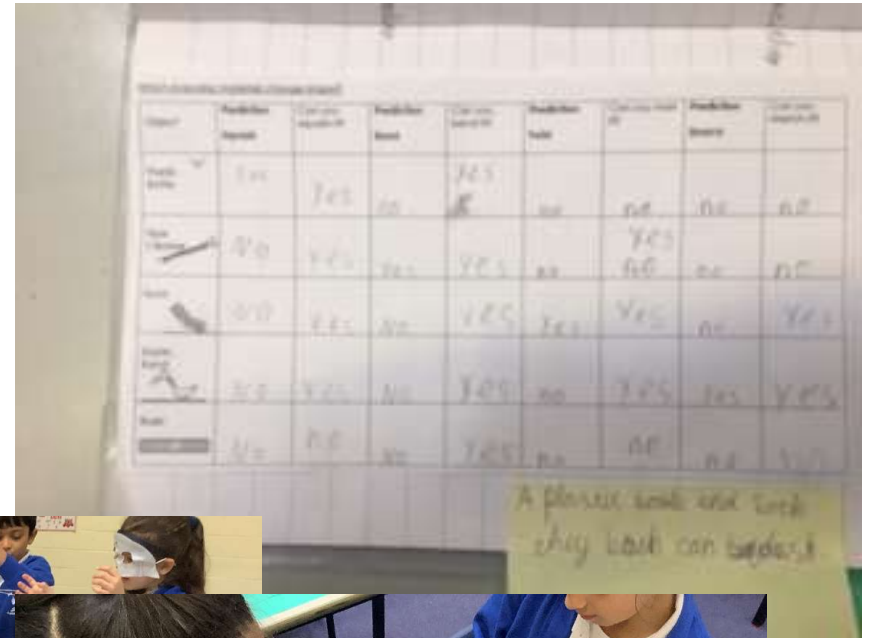


Using senses to investigate materials



They watched a live lesson about a chicks life cycle

University of York



Finding out about materials changing shape

Queen's University

Making spectroscopes and exploring the spectrum of colour. The children could see the rainbow inside.



The University of Edinburgh



They used multi-coloured rice and tweezers as a way of replicating how to extract a 'weed'.



They watched a live lesson on future farming robots

They learnt about different aspects of farming and how time-consuming it can be.