

During this project, the driving subjects are *Geography* and *Design & Technology*. We learn about real-world issues and how we can make a difference, learning about different places and communities and how technology can improve people's lives.

Project Launch: Religious Education
Facing adversity

We begin our project by exploring our values in the context of Islamic beliefs about charity. We learn about the 5 Pillars of Islam and the obligations Muslims must follow, including the **duty** to donate to charity. We explore the **vision** of Islamic Aid and the work the charity does to help people facing hardship all over the world.



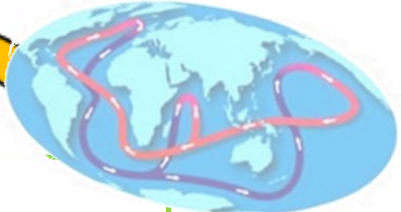
Science: Properties of Materials

What is plastic and why is it such a problem in our oceans? We find out about the properties of different materials and how they behave when they are put in water. We investigate the challenges of separating solids from liquids in solutions and mixtures and consider what this means for our oceans.

Year Five
Explore
Spring Term 2022

Week 1

Weeks 2 & 3



Design and Technology:

We find out about ways we can reduce how much single use plastic is created, thinking about the different sorts of bags we can make. We test and evaluate existing reusable bags, learning about the costs involved in manufacturing bags from different materials. We learn to cut, shape and sew fabric, finding out about ways to strengthen textile products so they can achieve their design purpose. We create detailed designs, including exploded diagrams, in order to show how we will join materials together. Computer-aided design enables us to add aesthetic elements, making our bags even more appealing by creating iron-on transfers.

Music:

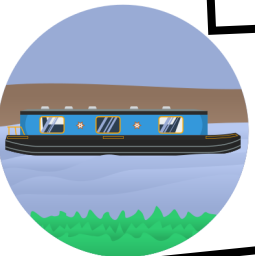
We will explore the different dynamics of music, listening and evaluating music written on the theme of plastic and then having a go at composing our own.

Geography:

We use maps, atlases and aerial photographs to locate the world's continents and oceans, using 4 figure grid references and the 8 points of a compass to describe the position of locations. We find out about ocean currents and how the movement of the ocean enables plastic pollution to travel many miles from where it originated.

Geography:

To help us learn more about our local waterways, we use Ordnance Survey maps to explore waterways in our own local area, finding out about how Birmingham became a city with the arrival of our famous network of canals. We find out about the damage plastic pollution is doing to the canals near our school and how we can look after them.



Weeks 6-9



Week 6



Weeks 4 & 5

Art:

After finding out about the different marine life that can be harmed by ocean pollution, we have opportunities to practice drawing from observation, creating sketches of fish scales and turtle shells. We use this to develop our use of patterns, tone and texture in drawing.

Weeks 10-11

Religious Education
Easter and Salvation

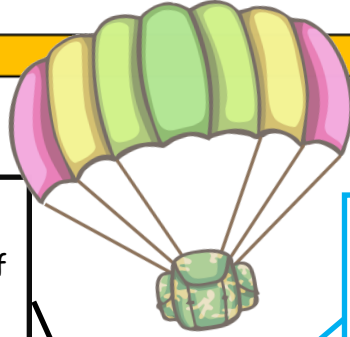
We find out about Christian beliefs about Easter the importance of Jesus' death and resurrection.



Week 13

Answering the Project Question:

At the end of the project, we reflect on all of our learning and answer our project question: How can we overcome challenges facing our world?



Week 12

Science: Forces

We learn about what makes objects move and stop the way they do. We find out about gravity, what it does and how it is measured. We learn about and investigate forces that oppose gravity including air and water resistance and devise our own ways to test out what we have learnt.

How can we overcome challenges facing our world?