



Mosshead Primary School

Team: Clearout Clyde
Project: 'Drastic on Plastic'

"We chose to be 'Drastic on Plastic' so it doesn't damage the Earth before we have a chance to remove it."



AIMS AND OBJECTIVES

We found out that the most common way of plastic entering the Clyde is by it blowing in; we knew we want to find a way to prevent this from happening. We wanted to use recycled materials so we didn't add to the problem.



OUTCOMES

Jacobs told us that recycled tyres would be a sustainable material to use. They told us it would cost £10,000 per 100m.

Our experiments showed that the structure of our design would be a success in real life.



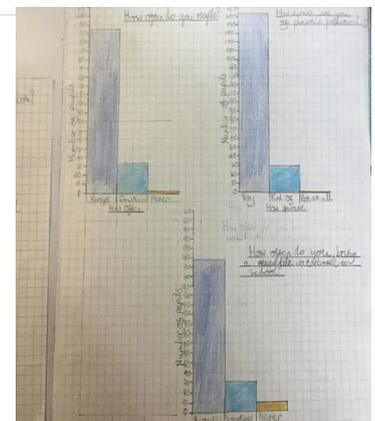
RESEARCH

We surveyed pupils in our school to assess how often they recycled and to what extent they were aware of plastic pollution. We surveyed Primaries 1-3 and 4-7 separately. See our results to the right.

We emailed our contacts at Coca-Cola and Scottish water to ask how they respond to plastic pollution and what steps they have taken to address the issue.

We contacted Jacobs to find out more information about the best materials to use and the costings for our design.

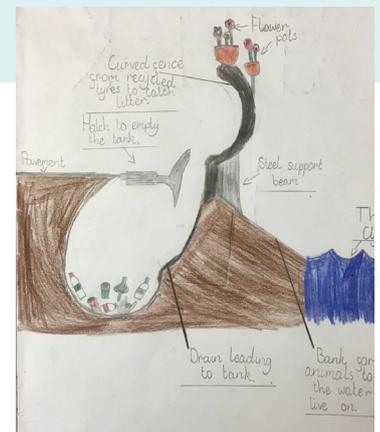
We conducted experiments to test the durability of our designs and ideas using a straw model.



FINAL DESIGN

We decided on a curved fence with a manhole underneath that would be decorated with flowers. Plastic would hit the fence and drop down, preventing plastic blowing into the Clyde.

MATERIALS: Recycled tyres for fence; steel for support beam, tank and hatch, flowers



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We have enjoyed the Upstream Battle project very much and we have gained a wealth of knowledge about our planet's wellbeing. With that knowledge, we can now try to make a difference in the world before it is too late.”

Team Clearout Clyde, Mosshead Primary School