

Kilmacolm Primary School

Team: Raging Rivers Team
Project: Drowning in Plastic

“We are very excited about this as plastic waste is a growing environmental issue that needs to be tackled.”



AIMS AND OBJECTIVES

We anticipated that our research would tell us that there is already a lot of plastic waste in our Rivers and oceans. Therefore, we decided to look at a solution that would empty our Rivers and Oceans of plastic waste.



OUTCOMES

Kara helped us estimate that each of our designs would cost around £50,000 each. She also recommended that we incorporate recycled rubber and sustainable materials.

‘the box’ for a solution to tackle plastic waste in our Rivers.

Some companies are willing to pay for plastic for their industries (like building

We want to ‘think outside of

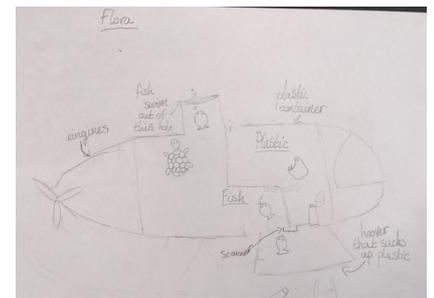
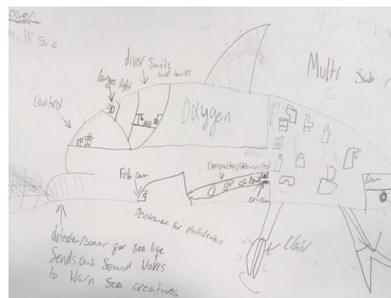


RESEARCH

We researched plastic pollution in UK Rivers and worldwide online and collected statistics and graphs.

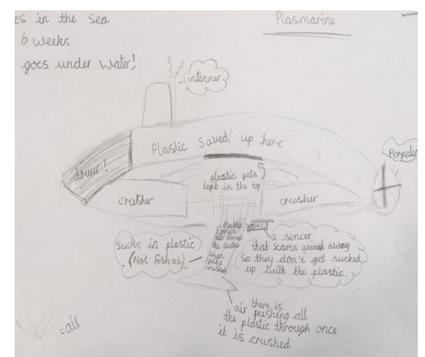
We researched how to get rid of plastic and where it could go once it was collected.

Kara from Jacobs helped us research our costing and materials, and offered advice on how to make our idea sustainable.



FINAL DESIGN

We decided on the ‘Plas-Marine’! It will be half the size of a regular submarine. It will be made of steel to recycled rubber and eco-friendly woven nets to collect the plastic. It will be solar powered and have a system to filter out marine life. A smaller Plas-Marine will be used for narrower parts of the ocean.



“we have enjoyed discussing how it will work, recycled products to use in its making and how effective it will be! Taking part in this project has made us realise how much work has to be done globally in tackling plastic waste in our oceans.”
Raging Rivers Team, Kilmacolm Primary School