

# Bridge of Weir Primary School

**Team:** Plastic Destroyers Ocean Department (P.D.O.D.)

**Project:** Be Drastic on Plastic

“We are passionate about removing plastic waste from our planet.”



## AIMS AND OBJECTIVES

We already organise clean-ups with help from the Parent and Teacher council. We were aware of the problem of dog poo bags and cigarette ends and had started a campaign within our local community to reduce the problem. We wanted something that could help with this.



## OUTCOMES

We found that the biggest problem in the area was dog poo bags and cigarette ends. We decided to make removing cigarette ends the focus of our design.

companies that would dispose of the cigarette ends.

We decided on batteries, aluminium cans and recycled materials.

We found recycling



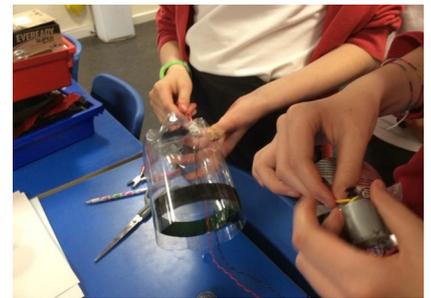
## RESEARCH

We watched videos and had talks to learn about the problems that plastic is causing.

We researched campaigns such as a remote controlled robot on [Chicago River](#), which cleaned up plastic and turned this into a game. We also liked the [Sea Bin](#) project.

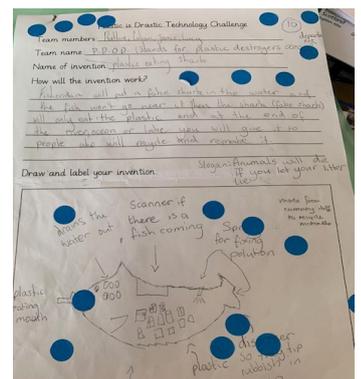
We visited our local River Gryffe site and the litter really upset us. Even with the Community Police Officer we struggled to pick up the cigarette butts.

We carried out experiments on different materials and researched how to recycle the litter we found.



## FINAL DESIGN

We decided on a vacuum cleaner that would pick up cigarette ends. We modelled it on an ant eater and called it 'The Plastic Eater!'. It would have a storage area for cigarette ends and a fan. It would be battery powered. We created a presentation for the school and made a video called 'The River'!



“We have learned a lot about the problems with plastic and we are currently educating our whole school and our parents on the importance of reducing, re-using and recycling plastic... this has made us much more aware of the steps we all need to take to improve our environment.”

*P.D.O.D. Team, Bridge of Weir Primary School*