



Sunnyside Primary School

Team: Sunnyside Ocean Defenders
Project: 'Drain Campaign'

"We know everyone won't stop littering so it's good to have ideas that can stop litter getting into our oceans and marine life stomachs."



AIMS AND OBJECTIVES

As Ocean Defenders we do beach cleans and have seen the dirty litter around the beaches. We already have a #DrainCampaign in place, so we wanted to 'catch' the litter before it reaches the ocean through drains.



OUTCOMES

We realised we'd need adverts to cover the costs of our app. We decided on Walkers crisps to encourage them to recycle, bottle deposit scheme and others.

The money would go towards the app and wages of people draining the litter. For material we decided on a sustainable one that wouldn't harm animals.



RESEARCH

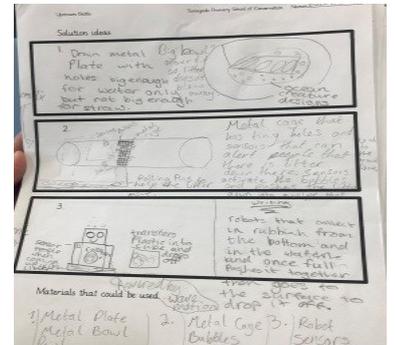
We watched the documentary 'The Plastic Whale' which motivated us to help marine life.

We had to decide where the drains covers would go and realised how many drains there are, not just one!

Our friends at 'Beyonder' came in to talk to us about ethical materials i.e. felt, hessian, mesh and biodegradable cotton. We tested the durability of materials for hinges, clips and welding.

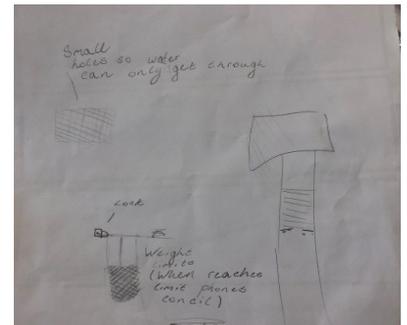
We costed all the materials online and researched their durability.

We tested an app for altering the council the drain was full. We would incentivise people to have the 'cleanest street' through the app.



FINAL DESIGN

We decided on a drain that has something inside it that will catch the litter. This would be weighted and powered by a solar panel. At a certain amount the weight would trigger a light and alert the app for the council to empty it. It would be made of a natural, biodegradable material.



"We are delighted to have received the award for 'Most innovative' project, especially when there were such creative ideas from other schools. We're known for running successful social campaigns but #upstreambattle allows us to show off the STEM learning embedded in our curriculum."
Sunnyside Ocean Defenders, Sunnyhill Primary School