

# STEM THE FLOW

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Abercorn Secondary

# Who We Are!

Isla Gibson



Cordell Chizinga



Princess Chinyeaka



Kenzie Fraser



We are S3 pupils from Abercorn Secondary.



Andrew Harvey



Elizabeth Vera



Aiden McGreevey



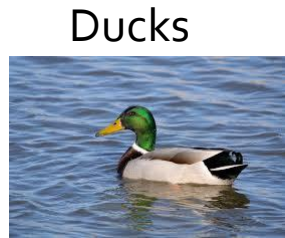
Queenie Zhou

# Facts about our local canal

## Wildlife



Heron



Ducks



Deer



Eels



Eels



Other Birds

Some stretches appear clear of litter!  
What lies beneath?

## Litter



Litter flows down the canal and gathers in pockets



Litter gathering beside paths on canal

# Why help the local environment?

People don't like the look of litter!



It smells!

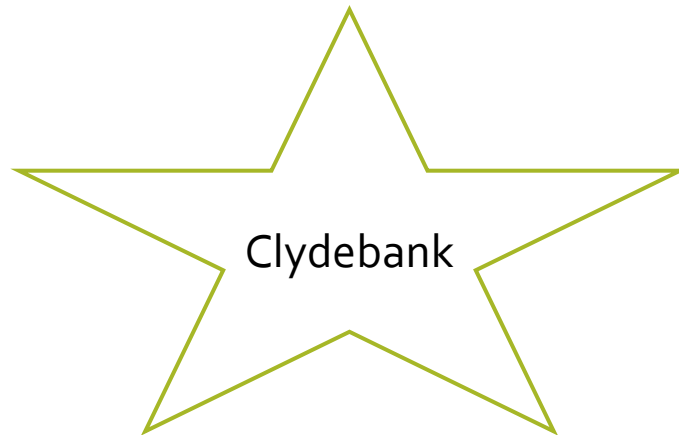
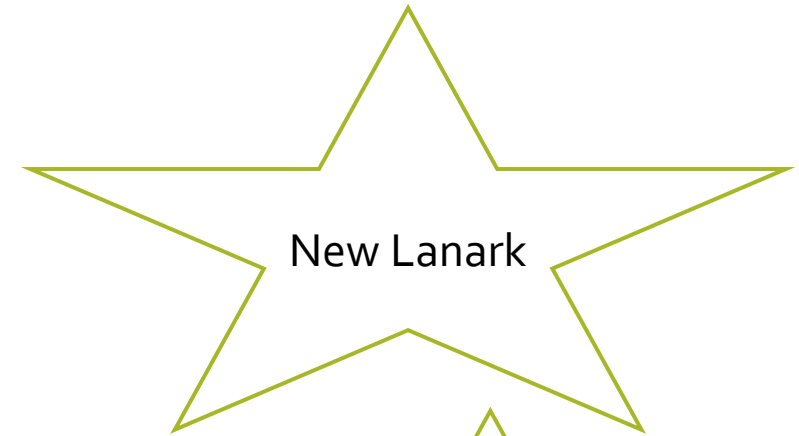
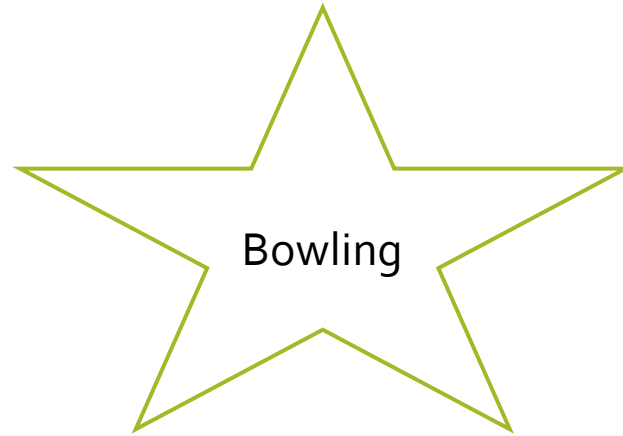
It could be toxic waste!



Can cause injury or worse!

It is harmful to animals and birds, they might eat litter thinking its food!

# Places the Clyde and the Clyde & Forth Canal run through?



# How do we currently stop litter entering the river?

- Community litter picks



- Recycling



- Reusing items (Facebook, Gumtree, Ebay)



# What can we do?

## Our Ideas

We made a model so we could visualise the travel of water towards the open ocean.

Points of concern are where there are built up areas.

Population size has a direct impact on the volume of litter in river ways. Large cities nearer see litter gathering on shorelines. .

Pollution from people dropping litter



Pollution from Farming

Pollution from Factories



I  
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'A cage to trap the litter'  
Queenie

'We could use a floating net on top of the water where litter gathers'  
Princess

'Sea life might eat the litter in the trap'  
Andrew

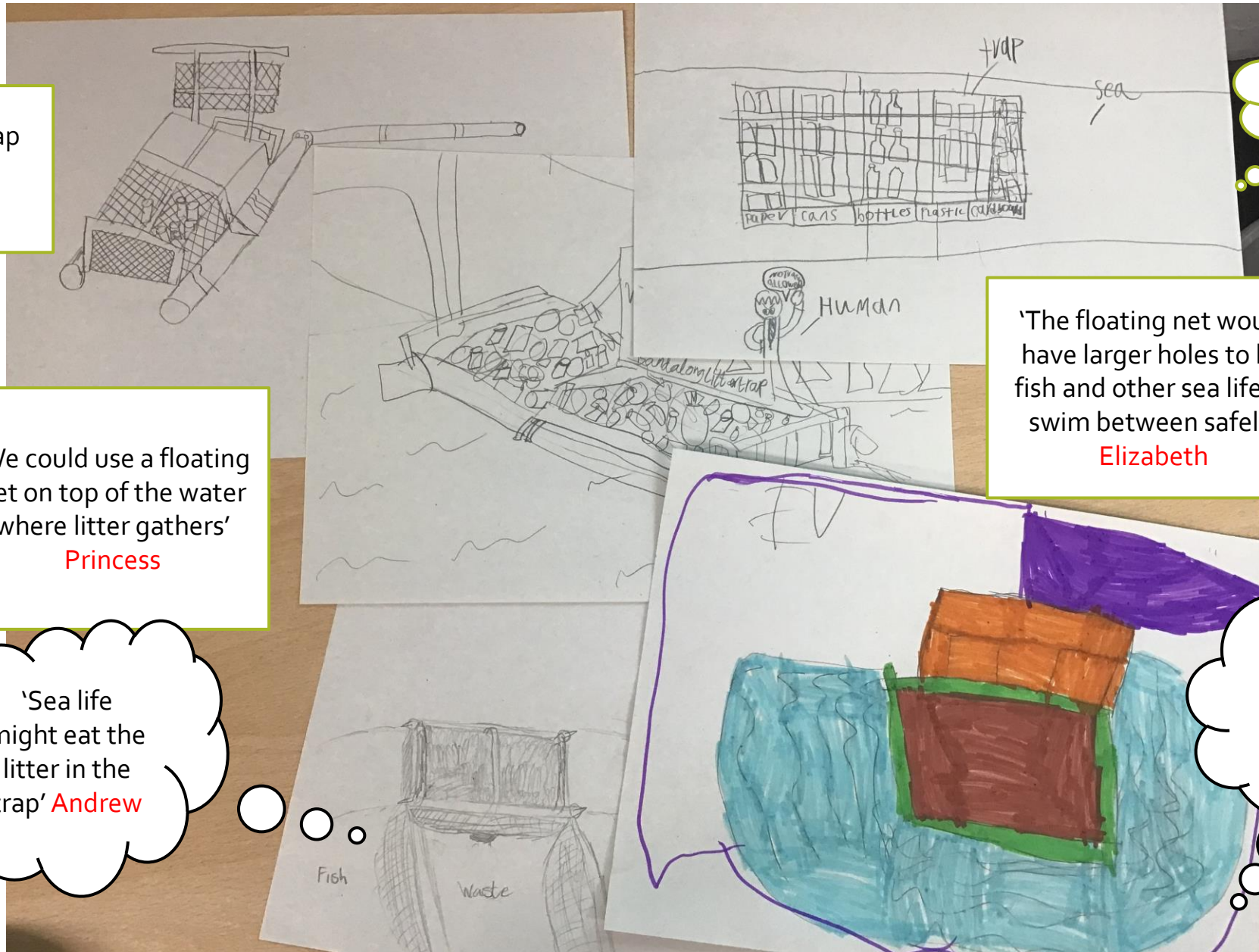
Fish

Waste

'The floating net would have larger holes to let fish and other sea life to swim between safely'  
Elizabeth

'What about the microplastics?'  
Isla

'Larger sea life may become trapped if a net has large amounts of litter?'  
Cordell





'How about using a fine mesh to filter water from drains and sewage pipes to reduce what goes into the river?' Princess



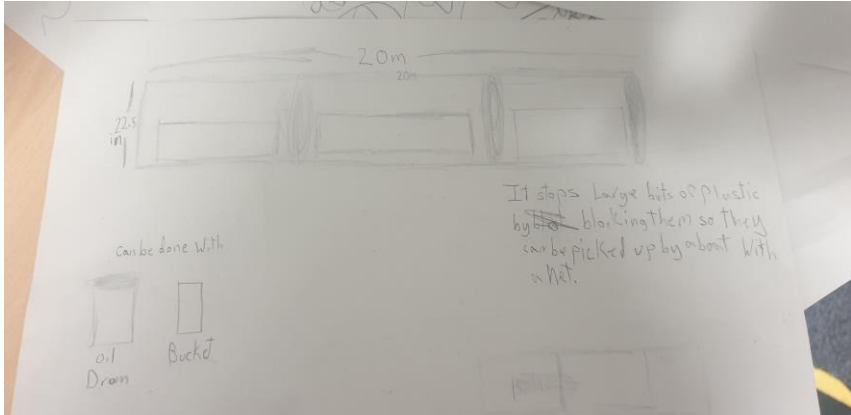
'Yes that might work as it wont affect sea life' Isla



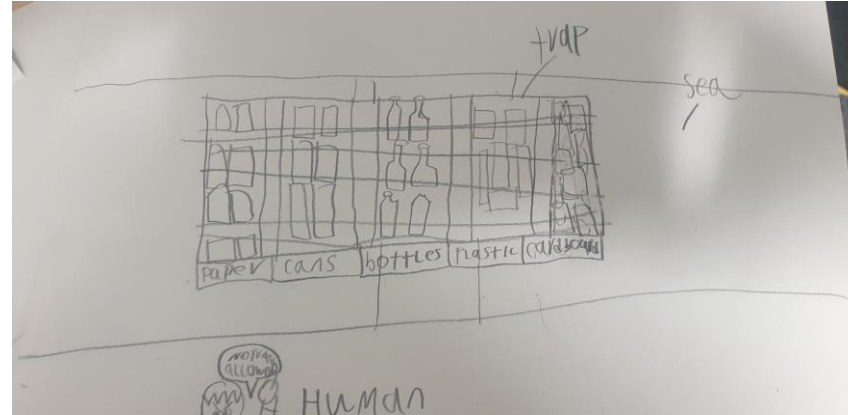
'So we could reduce plastic waste from factories and sewers!' Kenzie



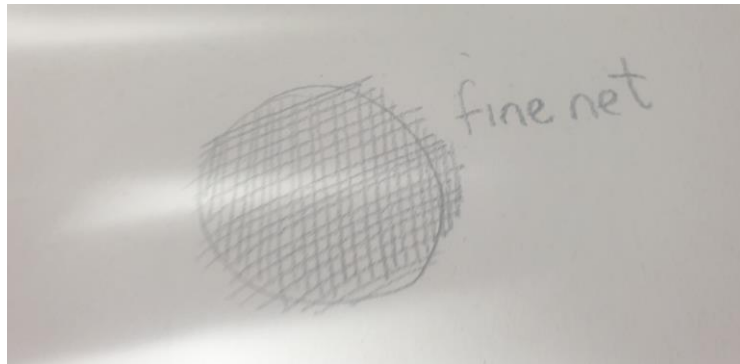
# Final Ideas



Recycle barrels to capture large plastic and litter.



A net that floats on top on the water to trap drifting litter.



To cover waste pipes and sewage pipe outlets.