



One Bottle At A Time

Handling sustainability and littering in the local community. Changing mindsets.

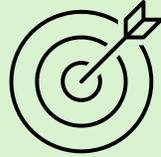


Our story

- We need to improve the litter situation in our school; as it is an ongoing issue.
- We believe this is due to poor bin maintenance and mindset of students; 'It's already a mess. What would one more piece of litter do?' - there is no responsibility or motivation to take care of it
- Our school is currently undergoing a lot of building work, with a complete electrical re-wire and a new sports hub on the school grounds – we believe now is the perfect time to try and tackle this situation.
- By improving bin maintenance and placement, we believe this could initiate a sustainable mindset to recycle and discard our waste – hopefully, something the students will take out into their local community.
- Small steps is what makes the change, and we can be the change.
- Our school needs to be a clean, welcoming and thriving place.

Our goals

Short term goals



- Reduce litter in school
- Bin placement, around the school area and the public use areas.
- Indoor bins – our survey shows many want indoor bins.

Long term goals



- Changing mindsets
- Sustainability
- Implementing a recycling scheme for our plastic waste, which needs to be initiated little by little, with schemes like improving littering.





Litter around the school

- The issue is all around school.
- It is a problem in all year group areas.
- It affects the environment e.g. it can clog the drains.



- People like to hide/ throw their rubbish in the bushes because, it's harder to see so people don't clean it up that much.
- This makes the school look poorly maintained and an unwelcoming environment.
- It can affect wildlife and become a health hazard.
- When visitors are in school it gives them a negative first impression of us as students.



The bins are getting full and need to be emptied more often.

This causes the surroundings to be full of litter. People see that the bin is full, and might not go to find another bin and instead litter.

It can attract animals, and it can lead to the spread of bacteria and bad smells, that can make people unwell.

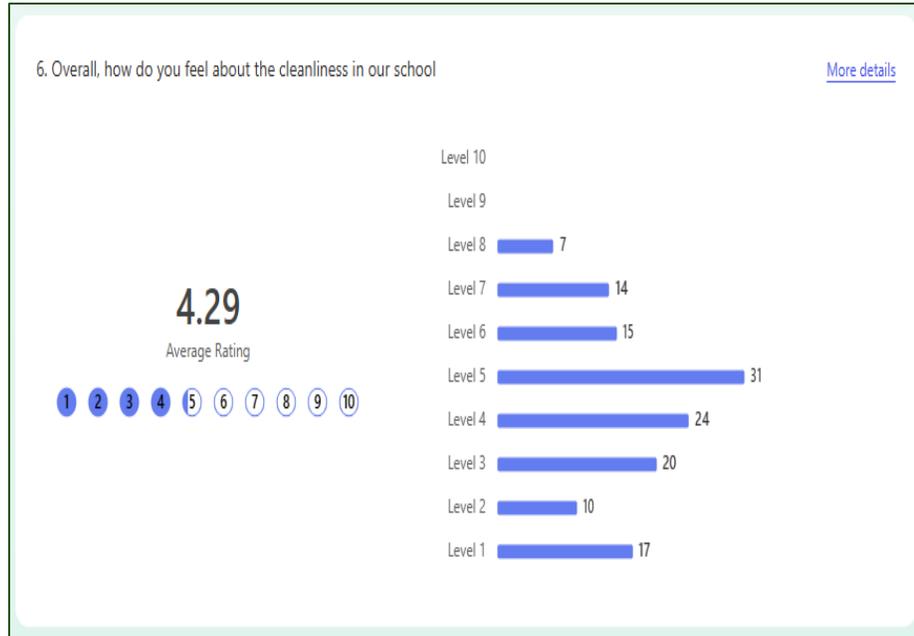
When there is food waste in the bin it can start to smell, making the surroundings unpleasant.

This creates unnecessary work for the caretaker, if the bins are full and students are littering.



More littering around the school site...

Primary Research



We decided to conduct some first-hand primary research into the staff and student's opinions on the cleanliness (or lack thereof) in our school.

An average of 4.29 out of 10 is, for lack of a better word, shocking.

Interestingly, both students and staff agree that the school's cleanliness is lackluster.

1. Which of these bins are you most likely to use

In fec bins	66
outside the pavilion	23
outside the L building	14
Other	35



Here we have another example of primary research, and which bins the students and teachers are most likely to use.

As you can see, there is a clear biased to the "in fec bins". The bins in the refectory are not substantial enough for the amount they are used currently.

Public Opinion

25 respondents (41%) answered litter for this question.

improvement in litter
outside bins
responsible for their litter
litter around the site
litter is due to lack

NO LITTER

bag litter

recycling bins

prone to litter

ordinary litter

litter picking

state of litter

litter is a problem

school litters

bins

crisp packet

Bins and litter

plastic bottles

lot of litter

litter



In the aforementioned survey, we also offered a space for the participants to share their thoughts on the matter. The general consensus was that the state of the school is "appalling". Negative descriptors like "shocking" and "disgusting" were frequently used throughout.

Interestingly, another commonly raised idea is that, perchance, the issue is due to a general lack of care from students.

We are hoping that the "One bottle at a time" initiative will inspire the student body to take pride in their school (or at the very least they should find the incentive enticing).

Our school statistics



- We spoke to the head of the school kitchen to get stats on our plastic bottle sales.



On average, we sell about 278 bottles a day.



That's 1390 disposable plastic bottles a week!!



Which is about 26.4 kg of unnecessary plastic waste per week.

What are we proposing?

Next steps:

- We would like to purchase more bins for school
- We would think of the location of these carefully – looking at current litter hotspots and the areas where there is the most student traffic.
- We believe this would be the starting point to helping us achieve both our short and long-term goals.
- Initiative for using the bins that are in year group areas – longer term goal when we have full access to school site again (after building work)

Research into bins

We have conducted some research into bins we could get for the school. We looked at bins ranging in price from £17 to £462 and capacity from 50L to 145L.

For comparison, our current bins cost around £183 and have a capacity of 130L.

These bins will be used to augment the bins already on school site and make it easier for students to dispose of their rubbish.



Bin 4

Website- YPO
Price- £182.99
Dimensions- 981mm(height), 522mm(diameter)
Bins that we currently have in school- could get more to reduce overflowing
Product Code- D65428

Research into our school bins, and alternate bins provided by year 11s.

What are we proposing?

We also need to 'educate' students on litter and the impact it has. Ways that we are looking to do this:

- assemblies for the different year groups
- tutor time activities
- discussions in PD lessons
- posters around school
- social media posts

How is our project sustainable?

The extra bins are the starting point of our project.

The sustainability will come from changing the mindset of the students in our school, so that they use the bins, reduce the litter on site and take this into the local community.

What are we asking for?

We would like to request the further £900 towards helping us achieve our goals.

- Purchase of more outdoor bins: the money will allow us to buy up to 5 new outdoor bins to add to our 21, that we already have.
- Rewards for students, as part of a poster campaign run through KS3 Art lessons, to reduce litter – starting to change mindsets.

We want to work towards recycling, but this is something we need to research more, so that we can get it right and make it sustainable. We also want to try and work with the new sports hub to make this a real community initiative.



Thank you
Any questions?

