

# ACTIVITY 4: THE SPLIT

Depending on your school, the Menace of Plastic Waste may have been separated into its own bin, or maybe it has been mixing with paper and other recyclables, or maybe it is just mixed into the general waste bin.



From the last activities, you should know how much waste is generated in your school total, where it is coming from, and how to convert the amount of waste between weight and volume - is a very useful skill! We now need to investigate how much of each type of waste is produced, so we can narrow down our search for the Menace of Plastic Waste!

How will you do this? To start with, if your school does not have separate bins for different types of waste, ask if you can bring in some boxes and label these for people to use to throw away things like paper, plastic, general waste, and others!

Once you've done this, weigh the contents at the end of the day (before and after emptying) to get the weight of each type of waste collected during the day.



**Tip:** You could use this opportunity to get new density data for each of these types of waste. This is also very useful evidence to have!

Once you've done this, total up these weights, compare them to the original data in Activity 1 and report your findings in a table, or something similar, as you've done before!

Sometimes even the asking people to act on their recycling decisions scares the Menace of Plastic Waste. If you did above activity and noticed that the amount of waste decreased through this task then the Plastic Menace may already be affected.

Make sure to document your evidence, as you should now be able to not only identify where the Waste Menace has been, but also how much is due to the Menace of Plastic Waste.

