

Executive Summary

The final report your team must create is an Executive Summary that can be presented to the School Board as part of an end of year report on the Recycle Challenge at your school. Your team's report should have the following sections:

Section One – What does the data tell you?

Use the data you collected to:

1. Calculate the total amount of waste (mass) per student at your school.
2. Calculate the total amount of food waste (mass) per student at your school.
3. Explain which category had the largest amount of waste based on mass.
4. Explain which category had the largest amount of waste based on volume.
5. Predict how much food will be wasted at lunch per week. Per month. Per school year.

Section Two – Which kind of waste has the most impact on the landfill?

Use the data to explain which kind of waste you think needs to be reduced the most in order to slow down the amount of time it would take to fill a local landfill.

Section Three – What strategies can you suggest to help reduce the amount waste?

Review the data for paper, plastic, Styrofoam, and food and think about why so much waste is created at lunch. Suggest at least two ways your school might reduce each category of waste.

Section Four - How could you improve the collection of data?

Think about how the data was collected. List at least two things that might have caused errors in measurement and how you might improve the accuracy of your measurements if you were to collect new data.

Section Five – Should we worry about the amount of waste created during lunch?

Write a paragraph that explains whether you think the amount of waste at lunch is a problem or not. Use your observations and data to support your position.

Section Six – Data and graphs

This section should contain your Excel data table and four graphs. The graphs should include:

1. Column (bar) graph of the mass (grams) for each type of lunch waste produced at each lunch.
2. Column (bar) graph of the volume (cubic inches) for each type of lunch waste produced at each lunch.
3. Pie graph of the percent total mass for each type of waste.
4. Pie graph of the percent total volume for each type of waste.