**Research waste statistics (40 min)**

**Summary:** Working in teams, students will research waste and recycling statistics for Brazil in general and/or their community or city specifically. In order to simplify the research, provide 4-5 articles for the groups to read and create a summary presentation to share with the class.

**ILOs:**

1. Report statistical waste data for specific areas of Brazil.
2. Create an organized presentation to share with group.

**Equipment list:**

 -Copies of the articles to be used

-computers for reading the articles if not printing them

**Intro:**

Waste statistics, emphasis on recycling and energy programs vary

**Procedure:**

Each group will read an article (one article per group, then each group will learn from the other group’s presentations) for 15 minutes and create a summary of important facts and statistics.

**Analysis:**

Each group will have 2-3 minutes to share the facts from the article with the rest of the class in some creative way (could be a skit, report, or something else)

In total, it takes 20-25 minutes to read the article, reflect on the questions, and create the presentation.

**Discussion questions/debrief:**

After reading the article, reflect on the following questions:

Were different sources consistent about data such as total recycling rate? What factors would make it difficult to measure how much is being recycled?

What could be done, on a large scale, to reduce plastic waste? Think not only about recycling -- what would be the best way to establish this reduction?

If you had power in a city, what would you do to increase recycling rates? How would you improve recycling stations?

**Lab handout needed?**

Just the articles you select.

Example Articles: <https://www.wwf.org.br/?70222/Brasil-e-o-4-pais-do-mundo-que-mais-gera-lixo-plastico>

<https://www.simperj.org.br/noticia/estudo-aponta-que-231-dos-residuos-plasticos-pos-consumo-foram-reciclados-em-2020-no-brasil/>

<https://revistapesquisa.fapesp.br/planeta-plastico/>