



Plastic Reduction Plan

The following questions can be answered outlining a plastic reduction plan.
(This worksheet is **scored** - refer to rubric for points allocated to this section)

Part A. Brainstorm and research potential plastic waste problems you would want to solve. **(5 points)**

Part B. Now that you've brainstormed different problems, select the problem you would like to solve and **define that problem**. What plastic waste problem are you trying to solve? How much plastic waste is caused by the problem (actual or approximate)? Think of local problems like too many yogurt cups in the class or global issues like plastic straws in the ocean. Empathize and keep in mind who is most affected by this problem and could benefit from your solution.

This part also requires you to indicate where you sourced your information from - including any research conducted behind the plastic waste problem you are trying to solve (i.e. website, url, book title, etc).
(10 points)

Part C. Next come up with *possible solutions* - what are possible solutions to the problem? How can you reinvent the identified plastic waste (e.g. build a bird feeder out of yogurt cups)? Do you have an idea or model which you are proposing will eliminate and/or reduce plastic waste from the environment? How much plastic waste could you actually or potentially divert? Share details about the solution you are proposing. **(10 points)**

Part D. Finally, it's time to *create your prototype*. This can be done by drawing/sketching (feel free to use programs such as Tinkercad) or building the prototype. **(15 points)**

If you have not sketched your design on this sheet, please -

- Indicate whether you've used on online program (*insert link here*)
- OR
- Have photos of your physical model or sketch included in your submission