

Engineering Never Ends!

If you were going to keep making your prototype better, what modifications would you make next and why? _____

What other ideas do you have to reuse things that would otherwise wind up in the landfill? _____



Trash to Treasure Waste Stream Interrupted

Engineer: _____

Additional Engineering Team Member(s)



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Who has a problem?

People who contribute a lot of waste to landfills

What is the problem?

People throw lots of stuff into landfills. Can we **reuse** a waste stream for some other useful purpose that will keep it out of the landfill?



Engineering Design Challenge:

Using one or more waste streams, design a new use for materials, which would otherwise wind up in the landfill.

Engineering Design Story

Who came up with the original idea? _____

How did you work as a team to develop the idea for your prototype plan? _____

Describe something your engineering team tried that did not work. What was your solution? _____

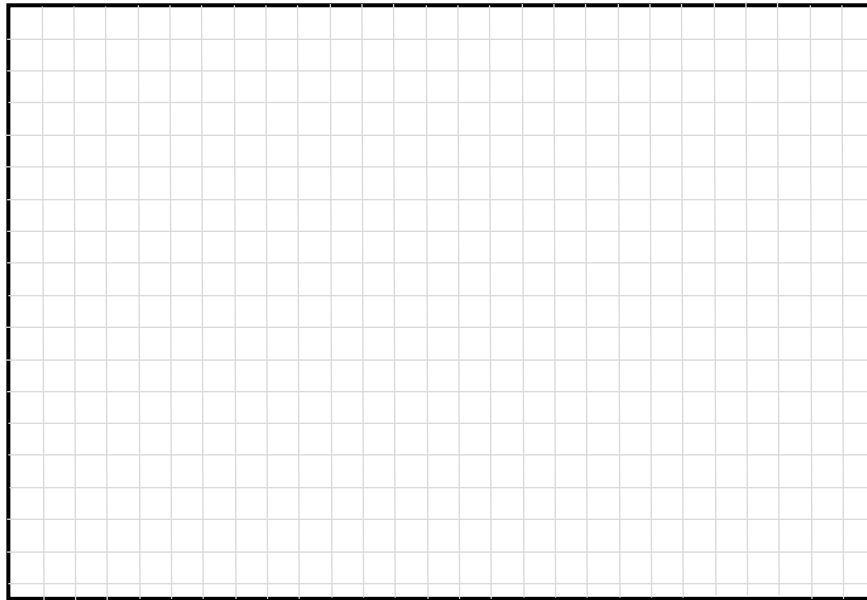
What other idea from your engineering team's Idea Post brainstorming would you like to prototype and why?

Marketing

Name of Product _____

Slogan _____

Company or Product Logo



Key Features _____

Waste Stream Brainstorm

Criteria (requirements for success)

- Uses one or more pieces of waste material.
- Waste material was modified to serve a new purpose.
- The new design is useful and serves a purpose that will make people not want to throw it away.
- _____

- _____

Constraints (limitations)

- Uses only material from the waste stream and materials list.
- The material used is not a health risk.
- Nothing new was purchased to complete the new design.
- _____
- _____

Time Limit (due date): _____

Left blank for optional engineering design process iterations and/or peer or customer review.

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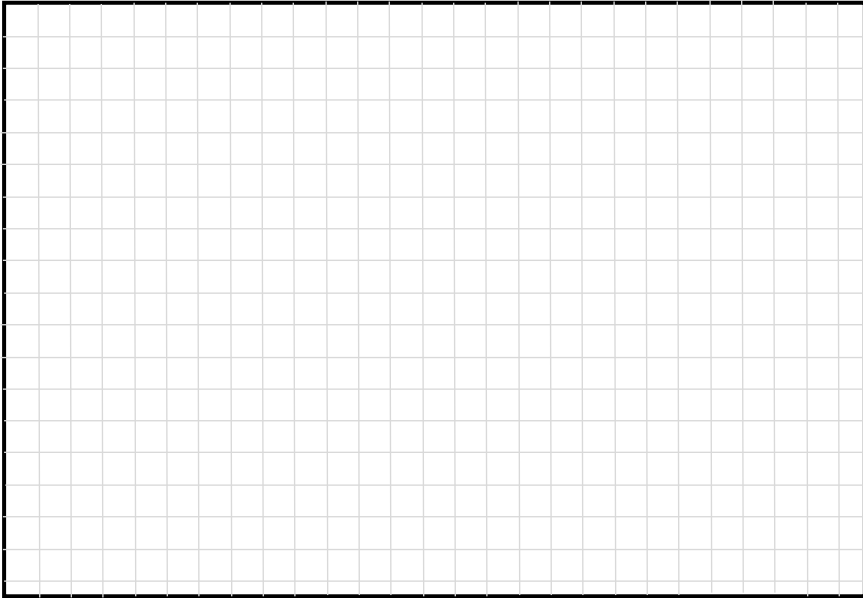
Brainstorming Idea Post

Place Idea Posts here with your favorite idea on top.

Place Idea Posts here with your second favorite idea on top.

Prototype Plan

Draw and describe what your engineering team is going to make using the waste stream you selected. Be sure to label your drawing.



Actual Prototype

Draw or paste a picture of your actual prototype below. Be sure to label your drawing/photo. Describe modifications you made to your prototype plan.

