

Name:
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Senio

STEM Challenge: Waste Repurposing

CHALLENGE: Using one piece of repurposed “waste”, develop a prototype or model that is attractive, marketable, and useful.

Pre-design questions:

What product/package did you decide to repurpose?

Describe its usual purpose:

What materials is it made of?

Reminder: Your challenge is to develop a prototype or model that is attractive, marketable, and useful.

Describe your new product below in at least 2 sentences:

Design portfolio:

Sketch the original object below:

Sketch your new product:

Conclusion questions:

1. What additional materials would be needed to make your product?
2. What might be some challenges in creating your product?
3. How would a manufacturer make this product?
4. Who is the target audience for this product?
5. Why would this product appeal to that target audience?
6. How will your engineered design remove one product from the waste stream?
7. What are some of the benefits of eliminating waste?