

Name:

Date:

Class:

Final Product Pitch Instructions

Now that you have tested and improved your strap design, it is time to share your work! Each group will create a pitch to present your eco-friendly backpack strap design. Use the directions on this page to collaborate with your group. You may choose how you share your pitch, but you must have visuals and a script and all team members must take part in sharing the information.

Your pitch will explain:

1. Your final strap design: What it looks like and how you built it. Clearly explain the steps and structure choices.
2. Your results: What was your hypothesis? Were you correct? Did your final design support the mass of the backpack?
3. Engineering design: How did you change the structure of the material to change the properties? Why is your strap the strongest and/or most durable?
4. Why is your strap eco-friendly? Why is it a smart, sustainable solution for broken backpack straps?

You will present your pitch in a gallery walk. Your job is to explain your design like you are a real engineer: clearly, confidently, and using the science and testing behind your product.

Draw your strap design here.

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Final Pitch Script: Fill-in-the-Blank

1. Our Final Strap Design

Our strap looks like _____.

To build it, we first _____, then we _____, and finally we _____.

We chose this design because _____.

2. Our Results

Our hypothesis was that _____.

We thought this because _____.

Our strap (did/did not) support the mass of the backpack.

Our hypothesis was (correct/incorrect) because _____.

3. Engineering Design

To change the strength of the paper, we _____.

This changed the paper's properties by _____.

Our strap is strong and/or durable because _____.

4. Eco-Friendly Impact

Our strap is eco-friendly because it uses _____ and prevents _____.

It is a smart, sustainable solution because instead of _____, we _____.