

Name _____

Date _____

STRONGEST CHAIN, 2-3, UNIT 2

Challenge: Can you design and build a strong chain using weak materials?



Brainstorm: What materials and/or attachment methods will you use for your chain?



Create: Draw and label your design. Create it. Test it.



Test & Reflect:

Does your design work consistently?

Yes. ☐ No. ☐

No. ☒

If your chain keeps breaking when tested, can you identify an area of weakness?

Yes. ☒

Yay! Your chain holds strong! Can you add a challenge by adding length to your chain or testing your current design with more weight?



Improve: What changes can you make to your design to improve it? This will be either fixing your areas of weakness that keep breaking or challenging yourself by making your chain longer or testing more weight. Describe or draw these changes below.



Re-Test:

Does your design work consistently now?

Yes. ☐ No. ☐



Reflect: What worked well in your design?



Reflect: Was there anything that still did not work well in your design, even after improvements were made? What might you try differently the next time?

