

Name _____

Date _____

BRIDGE, 2-3, UNIT 1

Challenge: Can you build a bridge that spans a gap and holds the most weight possible?



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



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



Test & Reflect:

Does your design work consistently?

Yes. ☐ No. ☐

No. ☒

If your bridge keeps falling or breaking, can you identify where the weakness is?

Yes. ☒

Yay! Your bridge holds strong! Can you challenge yourself by adding more weight to your bridge or increasing the size of the gap?



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 bridge 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?

