



AT HOME STEM CHALLENGE #1

NOVEMBER 22 - DECEMBER 6

Engineering Design Process Guided Notes (optional)

1. Brainstorm

Draw out your ideas

2. Estimate

How tall do you think your tower will be? _____ (add units)

Why do you think this?

3. Create

Start building your tower with the design you created! Once it is made, take a picture of your tower.

4. Evaluate

How tall is your tower? _____ (remember units)

What went well?

What didn't go well?

5. Improve

Draw a new design (it can be completely different from your last, or it can be the same one with some differences to make it taller):



Do you think this design will work better? Why?

6. Re Create:

Construct your new design and remember to take a picture of it standing!

7. Re Evaluate

Which design was taller? **1** or **2** (circle one)

How tall was the tallest design? _____ (remember units)

What characteristics allow your tallest tower to be as tall as it is?

8. Submit

Once you have completed this notes sheet, complete the Google Form, and upload an image of your tallest tower.