

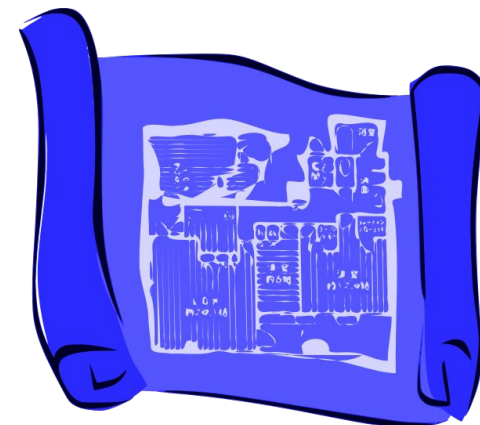
Name _____
Date _____

Build a Turkey Cage Challenge

Your Challenge

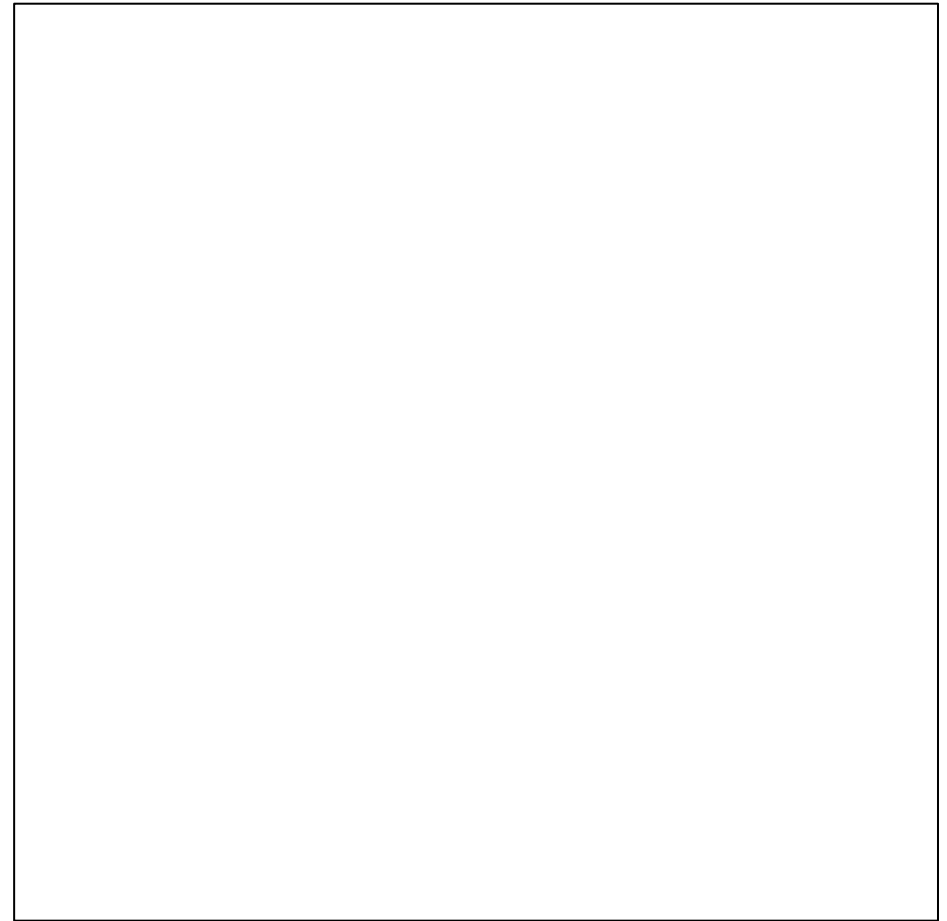
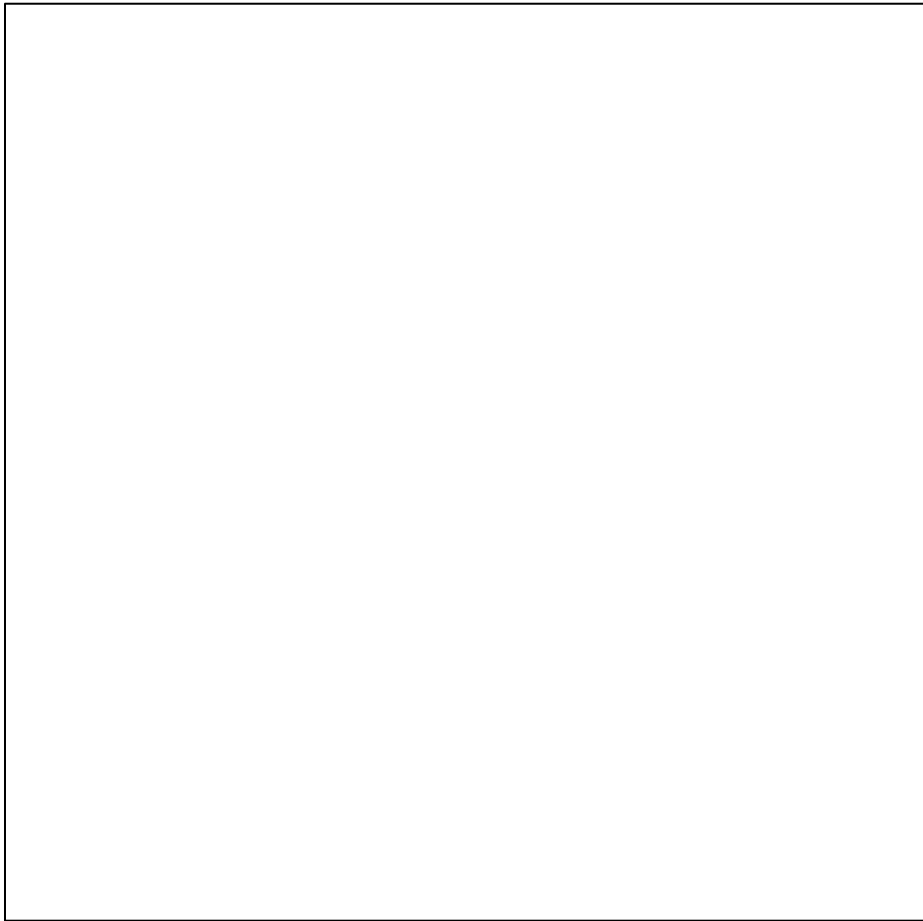
A big part of a farmer's job is keeping their animals safe. For a turkey farmer, that means they need to stop their birds from wandering or flying away.

You've been asked to work with your partners to design a turkey cage and build a model of what it will look like.



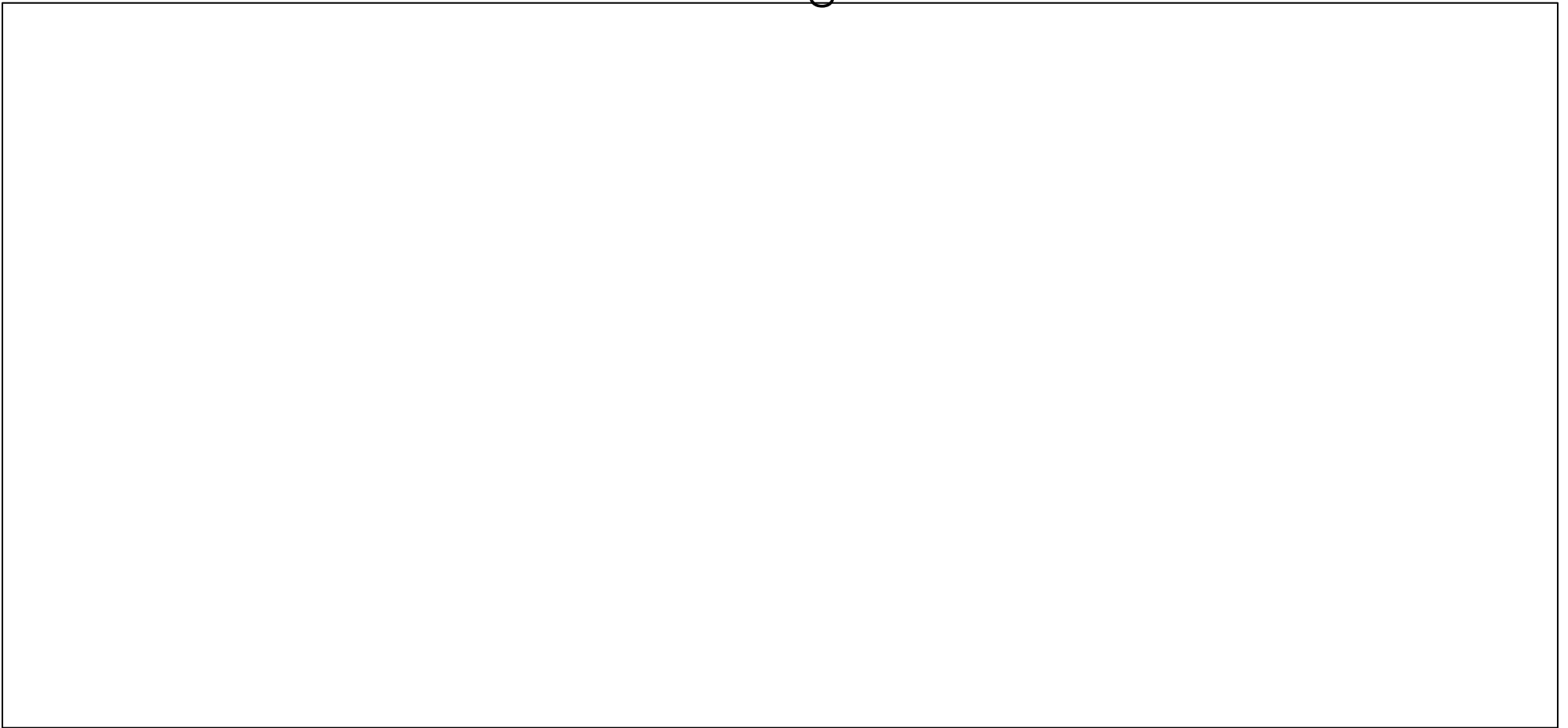
Brainstorming

Before you work together, take a minute to sketch out an idea or two in the spaces below. Be sure to label the materials you would like to use.



Collaboration

Share your ideas with your group. Be sure to listen to other people's ideas also. Give feedback. As a group, choose one design or create a new design with elements of the others that you will construct. Draw and label that design below.

A large, empty rectangular box with a thin black border, intended for students to draw and label their collaborative design.

Create

Work as a team to build your model. Be sure that you understand the design choices your group has made. You will need to share why you chose the materials and design that you did.

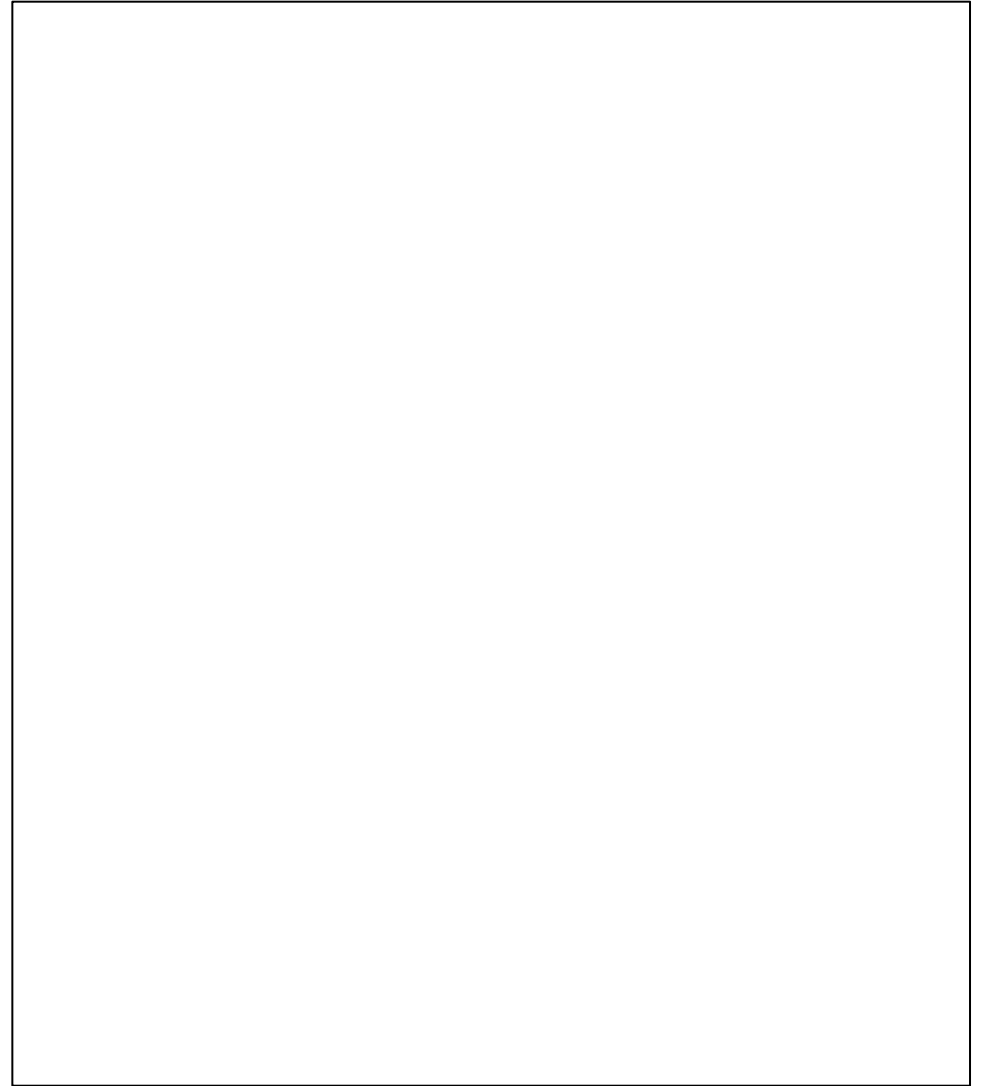


Improve

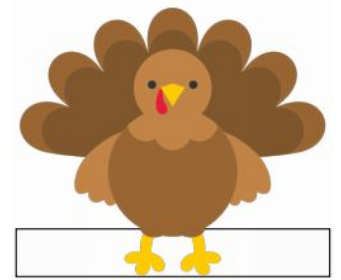
What worked in the chosen design? _____

Is there anything that doesn't work? _____

Draw any changes you would make to the current design in the box to the right.

A large, empty rectangular box with a thin black border, intended for drawing or sketching proposed changes to a design.

Reflect and Share



Use the following questions to help you think about how you felt about this challenge and the turkey cage that you built.

1. Was your team successful at designing a cage that could hold the correct number of turkeys?

2. What was the best part of the design that was chosen? _____
3. If you were to do this challenge again, would you use any different materials? Explain why or why not. _____

4. Are there any materials that were not allowed that you would have like to have used? If so, what materials do you wish were on the list? _____

Share the answers to your reflection questions with your group if you have time.