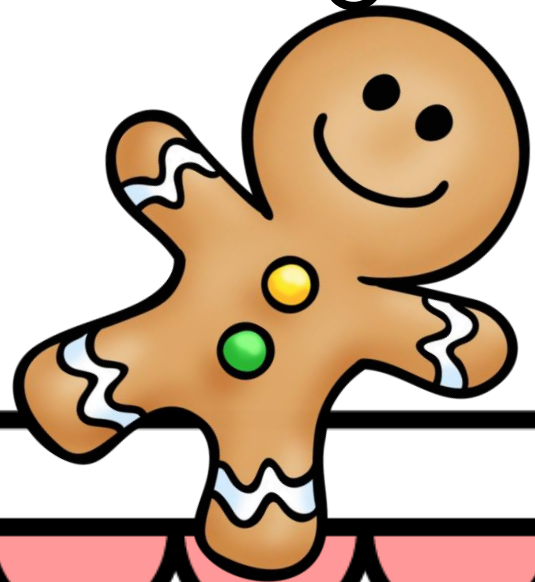


Gingerbread Man Trap Engineering Challenge

Can you create a trap that
can catch and hold one
gingerbread man cookie?

Created by: Smart Chick Teaching Resources



Teacher Directions

Materials: (per student)

- Variety of found materials (outdoor or craft)
- Scissors, tape and glue
- Cardboard and paper scraps
- Popsicle sticks, straws, etc.




Set-Up:

- Give students the materials needed. Students can also bring in a variety of materials for this challenge.
- Students will need to select one gingerbread to color and cut out. It must fit inside their trap design.
- Provide a flat surface for the construction.

Goal:

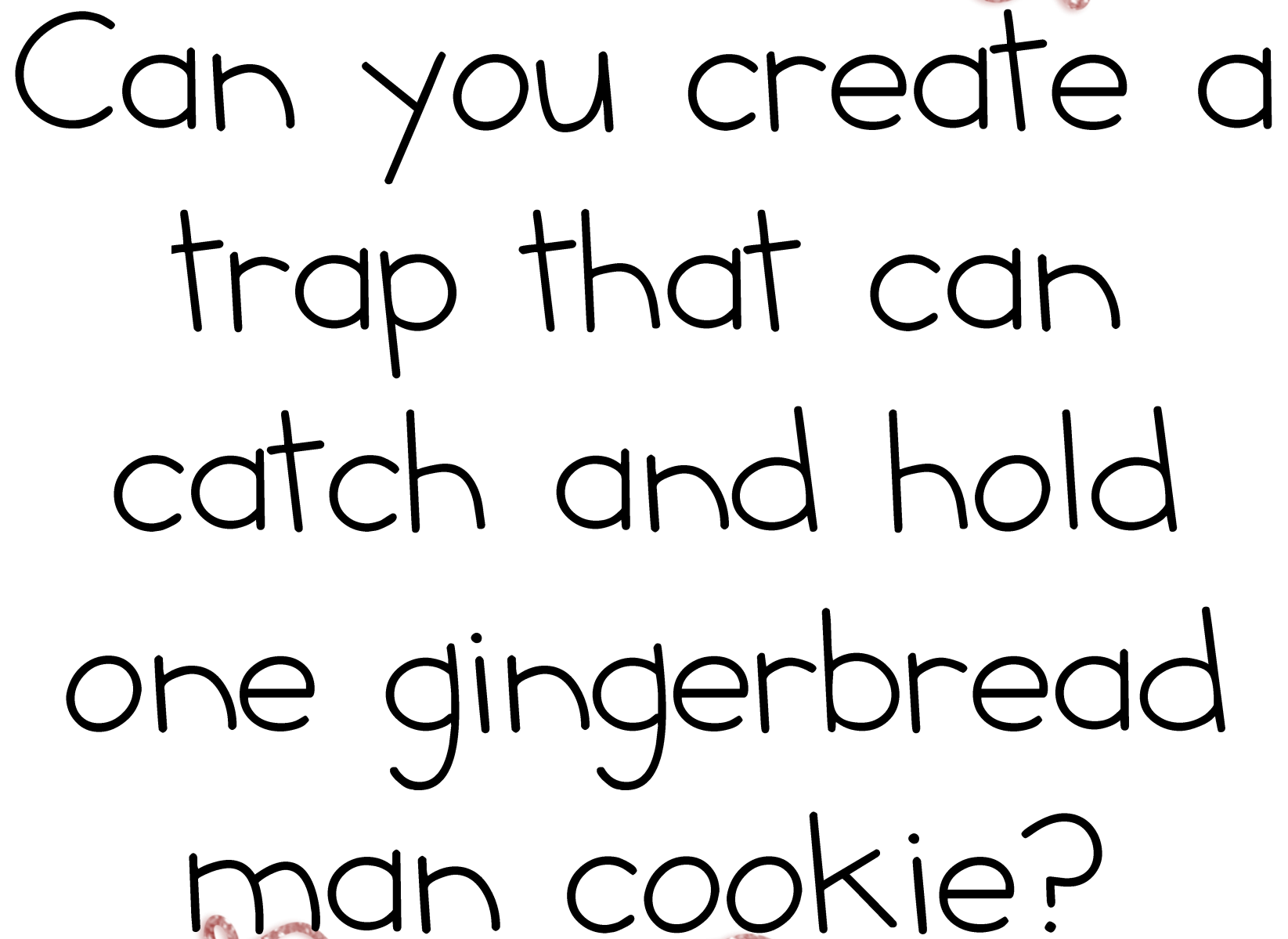
Students will construct a trap for a gingerbread man cookie and demonstrate how it works.



Gingerbread

Man Trap

Engineering Challenge



Can you create a
trap that can
catch and hold
one gingerbread
man cookie?

Choose one gingerbread man and color it then cut it out.
Your gingerbread man must fit inside the trap you build.

*Copy onto cardstock.



Challenge Rules

- You must use *only* the supplies provided.
- The trap must be constructed on a flat surface.
- Your goal is to build a trap for catching a gingerbread man. It must also hold a gingerbread man!
- You must demonstrate how your trap will work once it is completed!
- There are many different ways to complete this challenge. Be creative!

Student Lab Sheet: Gingerbread Trap Challenge

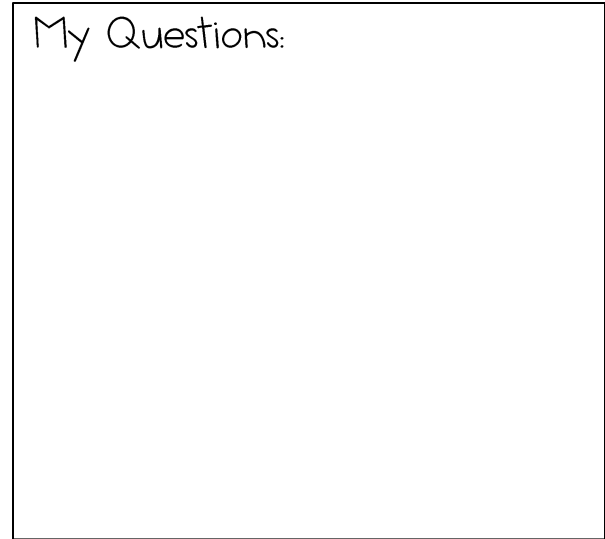
Name _____

Were you successful in this challenge? Why or why not?

What was the most difficult part of this challenge? Why?

What was the best idea you came up with during this challenge?

My Questions:



Did your gingerbread man trap work? Why or why not? Did the gingerbread man fit inside your trap?

What did you learn about construction and engineering during this challenge?

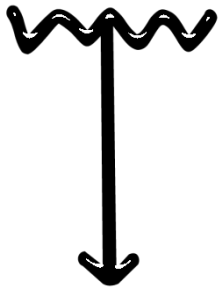
Sketch your solution on the back of the sheet.

Student Lab Sheet: Gingerbread Trap Challenge

Name _____



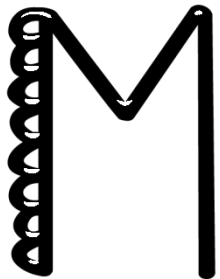
What is the science behind this challenge?



Research this topic using books and/or the Internet and record any information you find.



What was your design solution for this challenge?



What data can you record from this challenge?

Thanks for downloading!

This engineering challenge activity is one of many that I have created to use in my classroom! I place these challenges, one per table, and the students rotate around the room in order to complete them. There are no right or wrong answers, many different solutions will work! You could also rotate these challenges through a science center or complete them as a whole class activity. I store everything in a dollar store gift bag or plastic tub!

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