

Leprechaun Trap Engineering Challenge

Can you create a trap that
can catch and hold one
leprechaun cut-out?

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 leprechaun to color and cut out. It must fit inside their trap design.
- Provide a flat surface for the construction.

Goal:

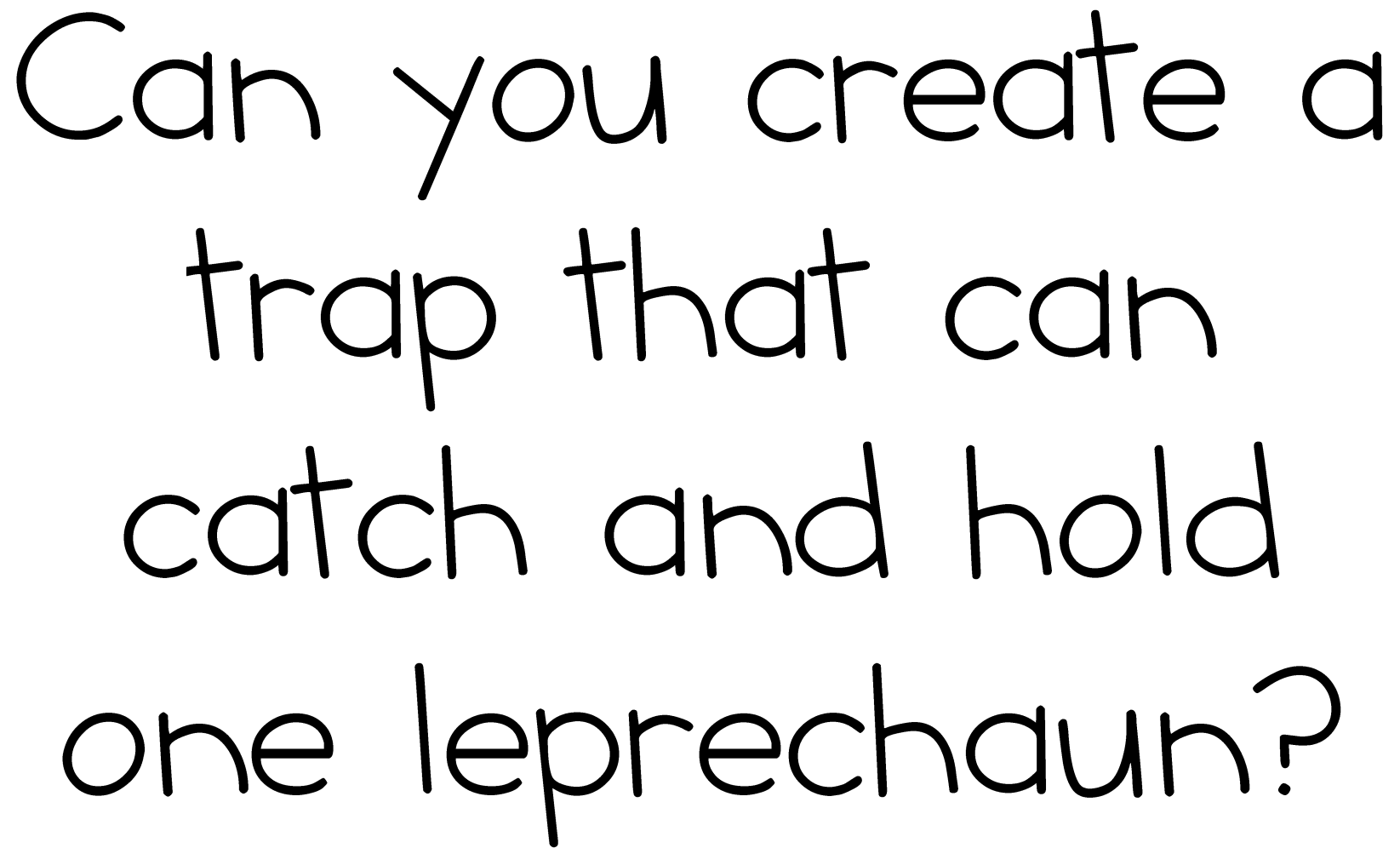
Students will construct a trap for a leprechaun cut-out and demonstrate how it works.



Leprechaun

Trap

Engineering Challenge



Can you create a
trap that can
catch and hold
one leprechaun?

Choose one leprechaun and color it then cut it out. Your leprechaun 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 leprechaun. It must also hold a leprechaun!
- 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: Leprechaun Trap Challenge

Name _____

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

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

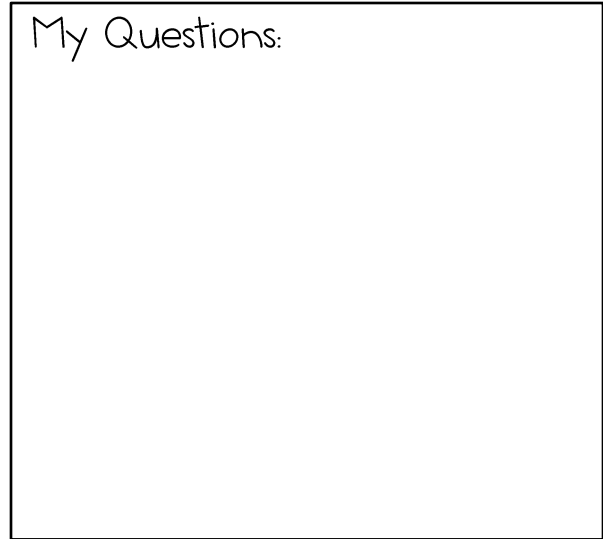
What was the best idea you came up with during this challenge?

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

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

Sketch your solution on the back of the sheet.

My Questions:

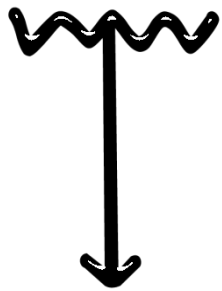


Student Lab Sheet: Leprechaun Trap Challenge

Name _____



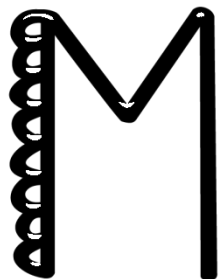
What is the science behind this challenge?



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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*Send me some pictures of any of your completed traps and I will send you the STEM challenge of your choice! indiansprings18@yahoo.com

