

Ghost Automaton

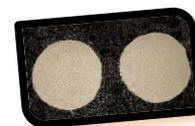
A fun way to explore simple machines!

Supplies Needed:

- Cup
- Cardboard
- Scissors
- 2 Skewers
- Tape
- Shoe Box or Cereal Box (family size)
- White Toilet Paper Roll
- Hot Glue & Glue Gun
- Drinking Straw (plastic or paper)
- Black Marker

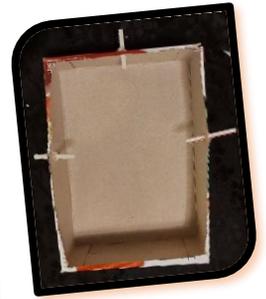
Directions:

1. Use a cup to trace four identical circles onto a piece of cardboard. Cut them out.
2. Glue two of the cardboard circles together. Repeat with the other two cardboard circles.
3. Using scissors, poke a hole in the centre of one of the cardboard circles. Place a skewer in the hole and attach it with hot glue.
4. Using scissors, cut one side of the cereal box (or shoe box) off.
5. Using scissors, poke a hole at the top of the cereal box directly in the middle. Also poke two holes on each side of the cereal box about 1/3 from the top and closer to the opening of the box. *You want to ensure that the two holes on the side are straight across from each other but also far enough from the backside of the box that the cardboard circle won't touch it*



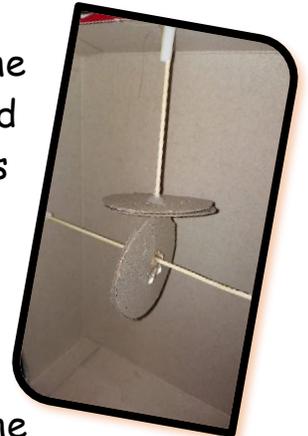
6. Cut one straw into three sections.

7. Put the cut-up straw into each hole of the cereal box and use the hot glue to seal them in place.



8. Using scissors, poke a hole into the centre of the second cardboard circle.

9. Slide the second skewer through one of the straws on the side of the box. Once it is through, slide on the cardboard circle, and then continue to push the skewer so it comes out the other side of the box. Glue the cardboard circle to the skewer.



10. Slide the first skewer (that has the cardboard circle attached to the bottom) through the straw on top of the box. Make sure the two circles line up, with the circle on the bottom being slightly to the left or right of the centre of the top circle.

11. Using a black marker add a ghost face to the toilet paper roll.

12. Tape the toilet paper roll onto the skewer that is sticking out above the cardboard box.

13. Rotate the skewer on the side of the box to make the ghost twirl!

