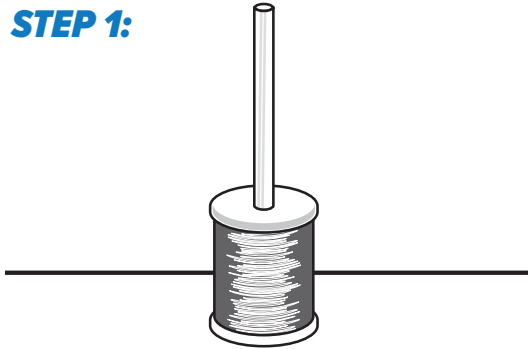


# PRESSURE-TEST SPOOL

## GATHER YOUR MATERIALS:

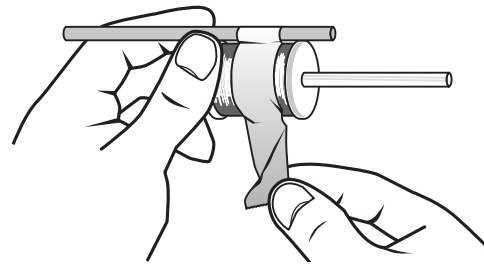
Spool, plastic straw, scissors, ruler,  
index card, tape, hole punch

### STEP 1:



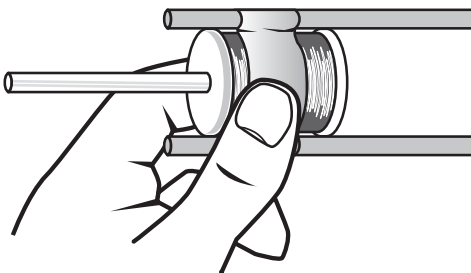
Place the spool on a flat surface and insert the leftover straw from the racecar experiments into the center hole. Tape the straw to the top of the spool. Make sure that any openings on the top of the spool are completely covered.

### STEP 2:



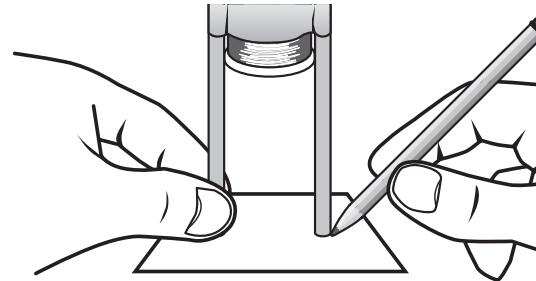
Cut a straw in half. Hold the spool sideways. Align one half of the straw to the side of the spool and tape it in place so that the straw sticks out from the bottom of the spool.

### STEP 3:

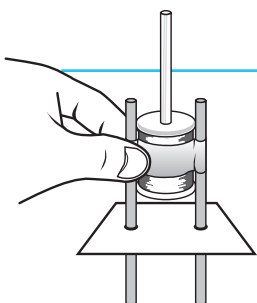


Flip the spool over and tape the second straw in place.

### STEP 4:



Cut a 2-inch-by-2-inch square from the index card. Stand the spool over the cut card and trace the shape of the straws on the card.



## COMPLETE YOUR PRESSURE TESTER:

Punch two holes in the card where you have marked them. The holes must be larger than the straws to allow the card to easily slide down the straws when you're not holding it in place. Thread the paper onto the straws. Make the holes larger as needed.  
**Your pressure-test spool is now complete!**