

Rubber Band Cars

Items Needed:

Cardboard
Cup or other round object to measure wheels
Pencil
Craft knife
Wooden skewer or dowel
Straw
Scissors
Hot glue and hot glue gun
2 jumbo craft sticks
2 rubber bands
8 pennies or 2 bolts and 4 nuts

Instructions:

- Draw four circles on the cardboard using your cup as a guide.
- Cut out cardboard wheels.
- Cut skewer or dowel into 2 pieces 4 inches long and 2 small pieces around $\frac{1}{2}$ inches long. (This does not have to be exact. This is what the rubber band will catch on to when you pull wheels back.)
- Cut straw into 4 pieces 1 inch or smaller.
- Mark the center of your cardboard wheels and use the craft knife to make a hole.
- Insert 4 inch skewer/dowel into the hole. Use a pencil to make the hole larger if necessary.
- Secure outside of the wheel with hot glue.
- String two straw pieces on each stick (axle).
- Place the wheel on the other end, and secure with glue.
- Spread straw pieces apart and hot glue small toothpick pieces in the center.
- Hot glue popsicle sticks on straws.
- Connect 2 rubber bands equalling the length of a jumbo craft stick.
- Attach a rubber band to the front axle.
- Hot glue pennies and/or bolts (screw on nuts) on the back of the car to weigh it down and decrease spin out.
- Hot glue around the outside edges of back wheels to increase friction.
- Connect the rubber band loop to the back toothpick, twist to wind up, and release.