

# Build a Car Challenge

With Adult Help: 6+  
Independently: Grade 5+

# Supplies Needed

Recycled Cardboard Box (like a cereal box)

2 Straws (for axles- this part would be easier with skewers if you have them)

Tape

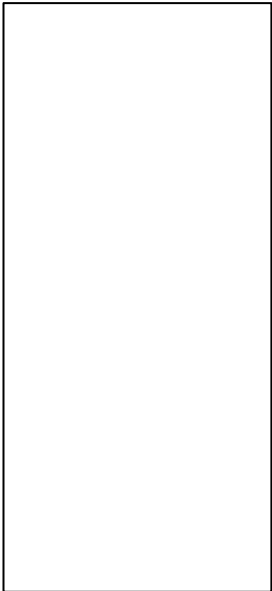
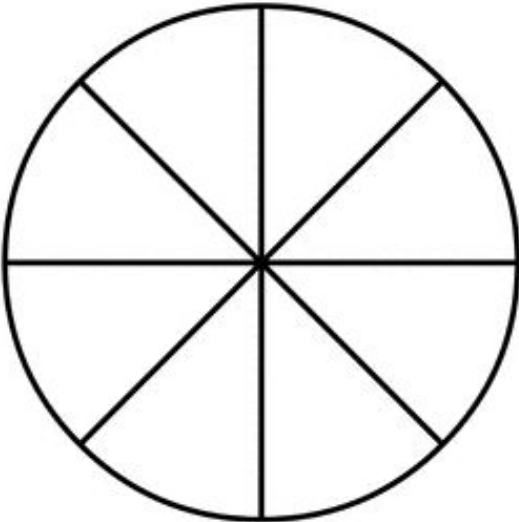
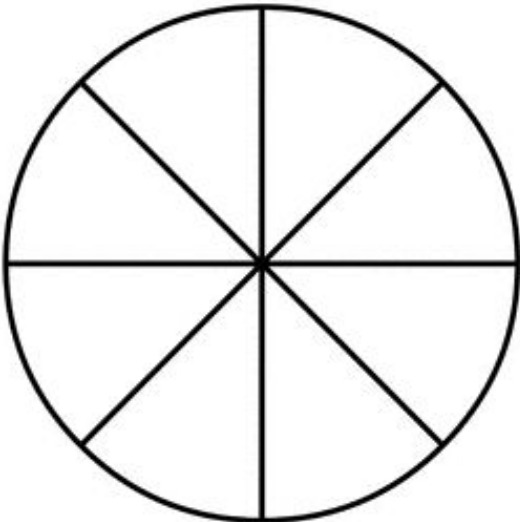
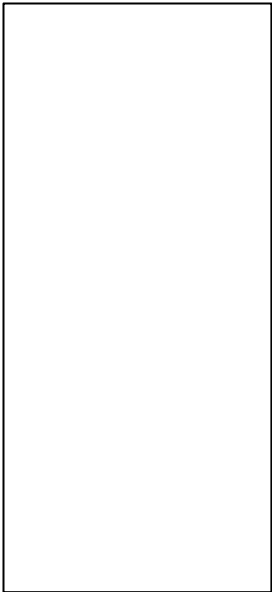
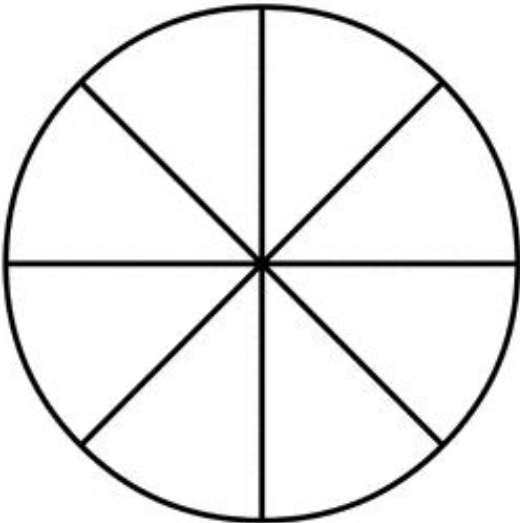
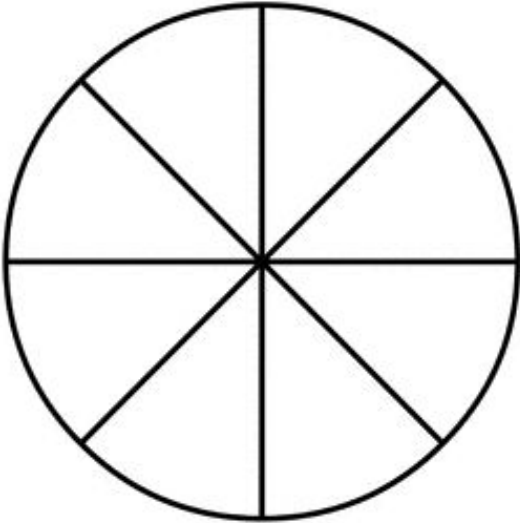
Scissors

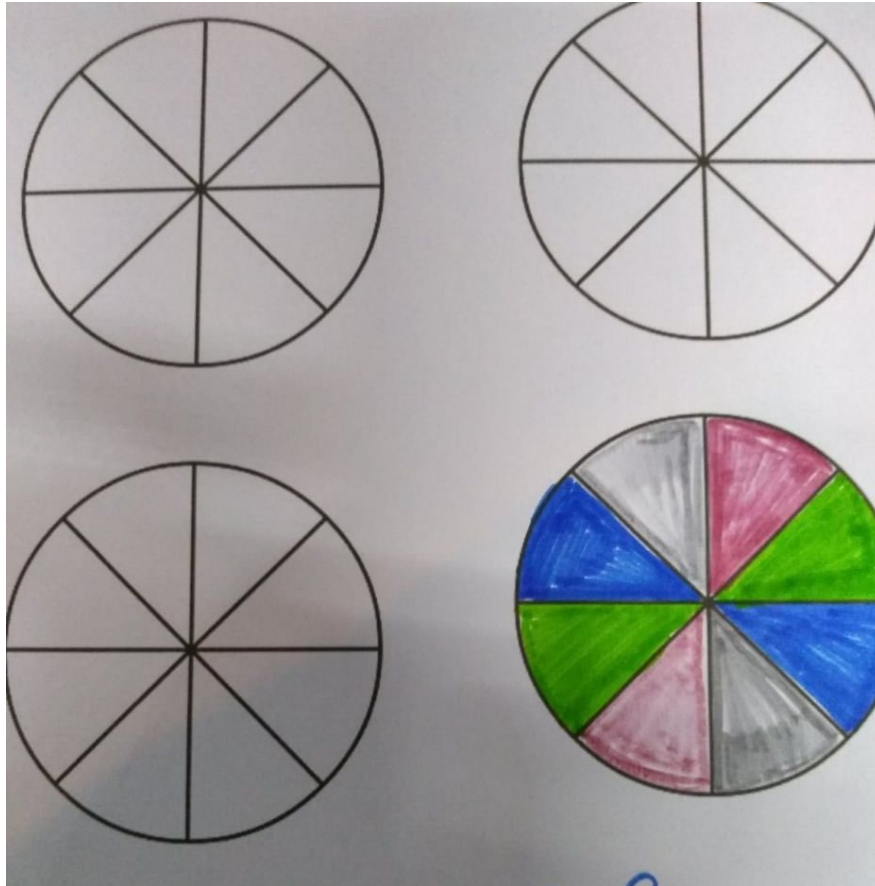
Glue

Wheel Template

Decorating supplies - glitter, pom poms, markers, tape, etc

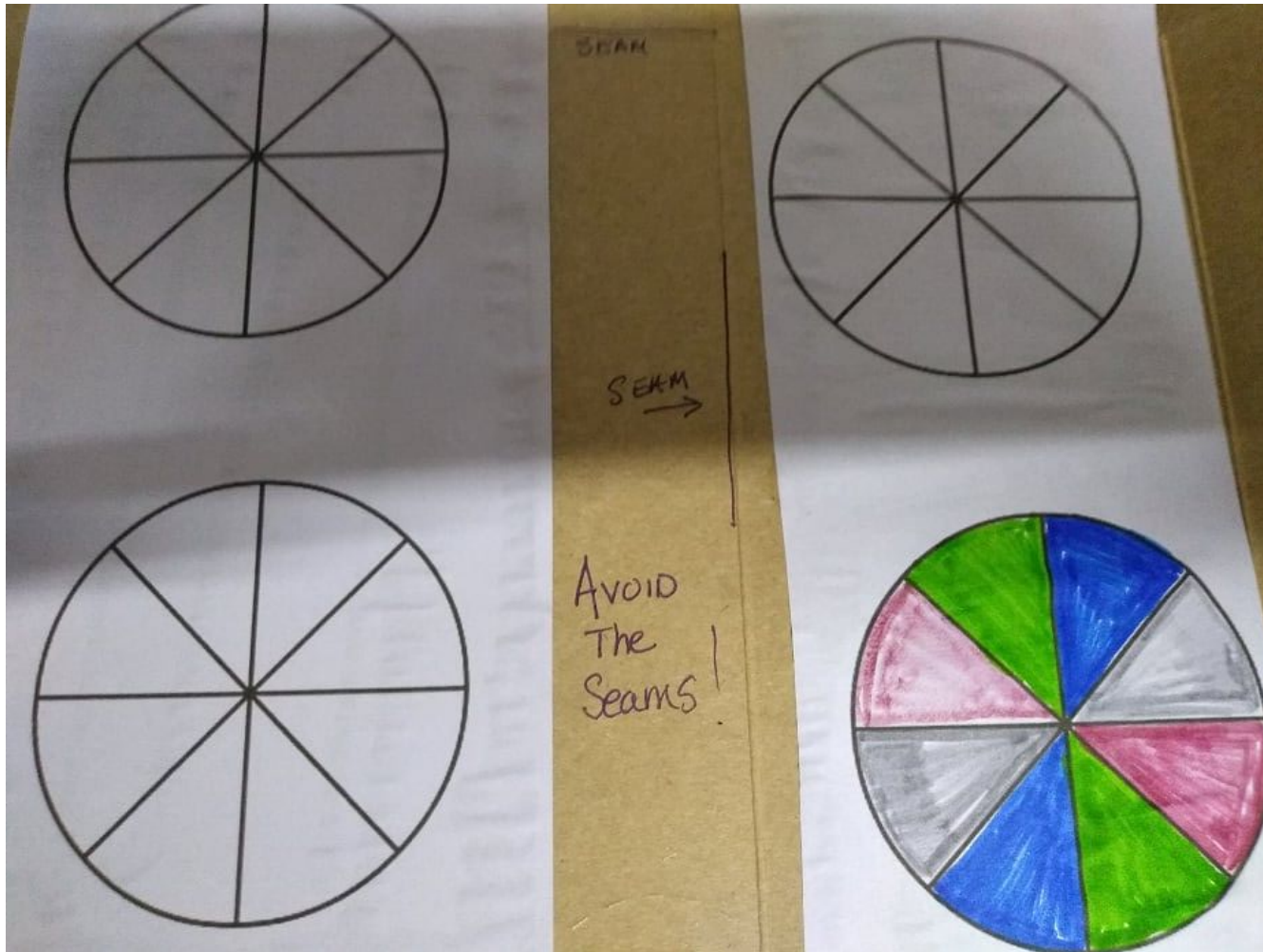
Wheel Template - Print 1





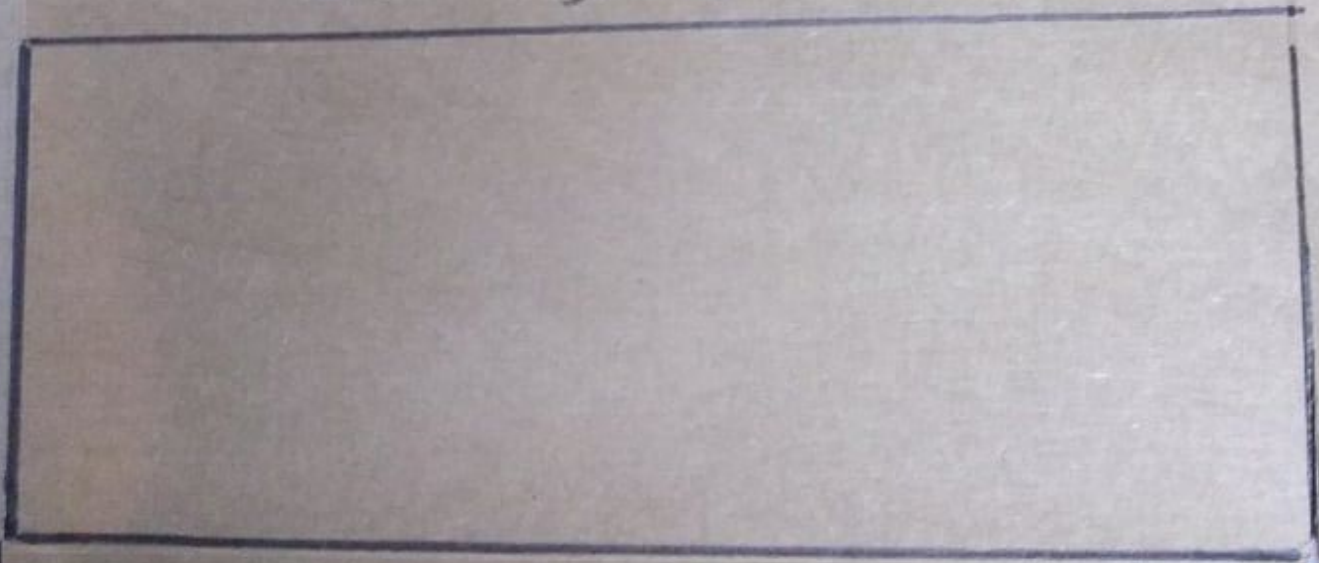
Decorate your wheels before you glue them to the cardboard.

Glue the decorated wheels to your cardboard.  
Avoid the seams.  
Set it aside to dry.



- ① Open a box.
- ② Use a ruler - Draw your cars body
- ③ Cut

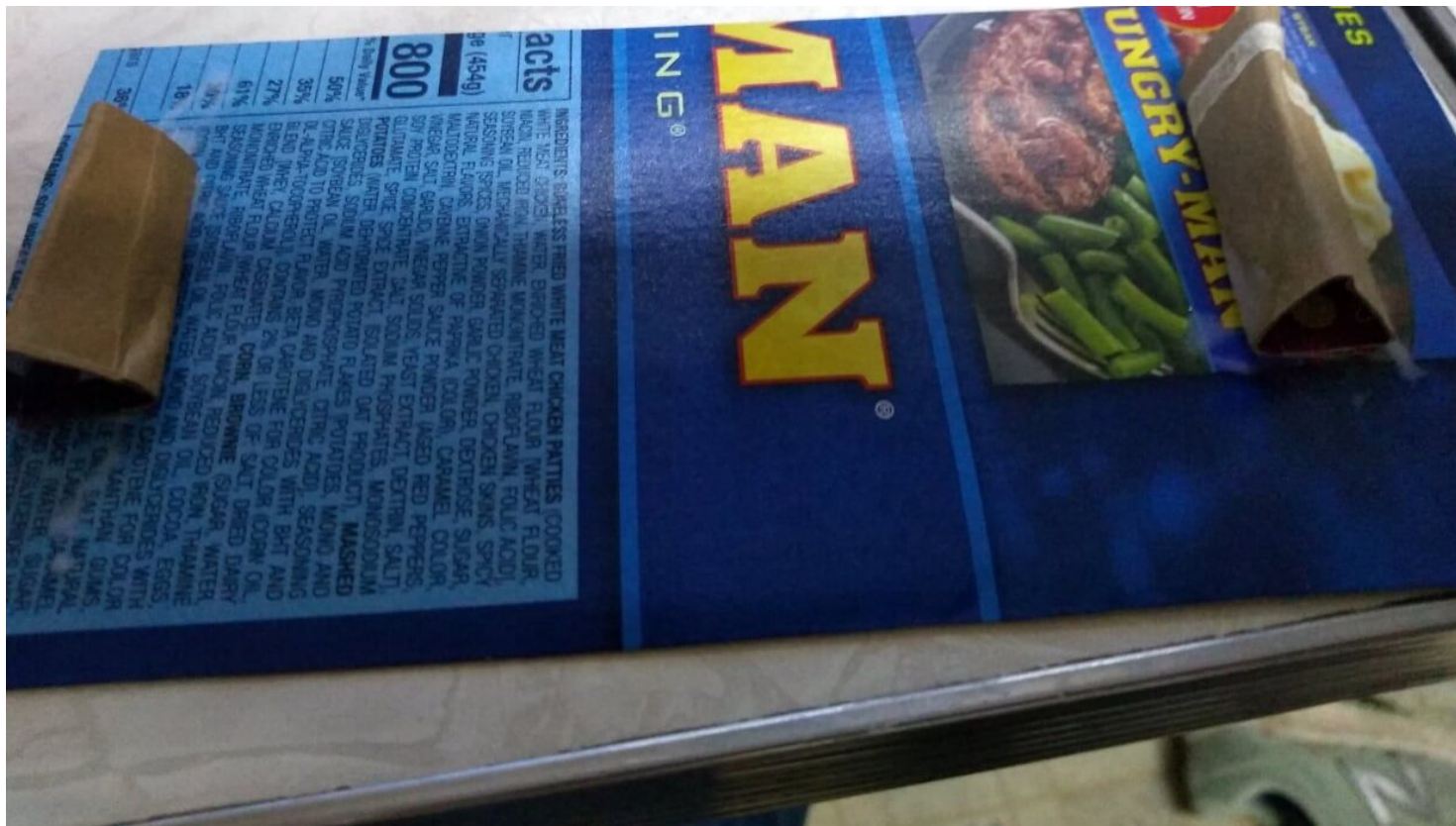
CAR BODY



Cut out the body of your car and the small rectangles.

Fold the rectangles in half and then in half again.

Glue them in the triangular shape shown on the back of your car body. Be sure to leave at least 1 inch between the end of the triangle and the front of the car body. These are what your axles will slide through.



# Make a Flange

Your axle will be your straw.

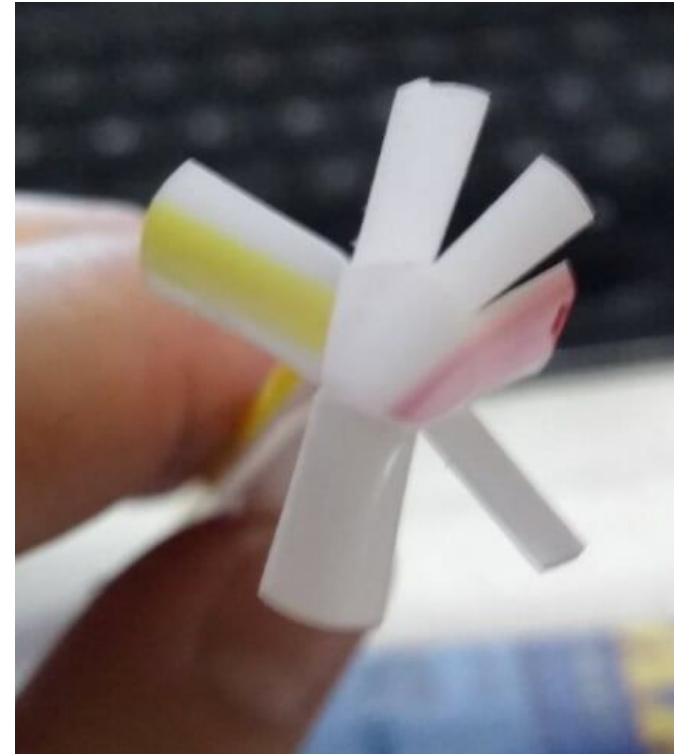
Measure and mark 1 inch from the end of the straw all the way around.

Make at least 5 cuts from the end of the straw to your mark. This is your flange. Cut out your wheels and tape this to one.

Put the axle through the axle holder you made.

Flange the other end of the straw and attach to the other wheel. Repeat for the other set of wheels.

Try it out!





# How did it work?

It may not work great the first time.

Think about how you could improve your car.

When it's working the way you want-start adding the finishing touches..

- A seat for a passenger?
- Sides? A roof?
- Snazzy decorations?

Take a video and post it to our Facebook comments on this project!