Your Name:

This month’s challenge:
Crazy Vehicles!
Can you think of a fun new vehicle to use to travel around? We’d love to see your ideas for crazy vehicles to travel in style, and to help the environment at the same time!

Your Age:

Interesting Fact:
The World's fastest mobility scooter can travel at an incredible speed of 108 miles per hour!

Tell us about your idea:

Don’t forget to give your invention a name!
Draw your invention idea:

You can send us a video explaining your idea too!
Invent at Home Transportation Challenge:

Rubber Band Racer

Here’s how to create your own rubber band racer! You just need a few bits from around the house to make your own.

This is your project, so try making adjustments and new ways of putting it together with different materials – because there are many ways to make this project work.

**Materials:**
- Cardboard
- 1 Large Rubber Band
- Assortment of Rubber Bands
- 1 Small Cable Tie
- 4 Toothpicks
- 1 Paper Straw

**Tools:**
- Ruler
- Marker
- Cup
- Scissors
1. Use the scissors to cut the paper straw in half.

2. Use the ruler to mark 1cm and 2cm from each end of the straws.

3. Cut small slits with your scissors at each measured mark.

4. Push 3 toothpicks through the slits. Push the last toothpick through one straw, then a rubber band, and finally, through the second straw.
5. Cut off the pointy ends of the two end toothpicks, leaving the inner ones pointy.

6. Secure the zip tie around the inside toothpick at the other end of the racer.

7. Use the cup to trace 4 cardboard wheels. Cut the wheels out using scissors.

8. Push your wheels onto the inner toothpicks. Test by wrapping the rubber band around the cable tie several times, then releasing.