

## Puff Mobiles

Create a wind powered vehicle which can travel down a track. Your wind will be powered by a fan. Your goal is to travel the furthest down the track.

### Materials

- Pipe cleaners
- Coffee stirrers
- Straws
- Small craft sticks
- Cardstock
- Construction paper
- Foam piece
- Large paper clips
- Foam plate
- Paper plate
- Paper bowl
- Scrap bin items

### Tools

- Scissors
- Tape
- Ruler

### ASK

What information do you need in order to solve the problem? What questions do you have so that you can be successful?

### IMAGINE

What ideas do you and your teammates have for creating a wind powered vehicle? What is your team's best idea?

### PLAN

Sketch out and label your plan on paper.

## **CREATE & TEST**

Create and test your design. When you are ready to test you can come up to the START LINE. We will be ready for you!

## **IMPROVE & RETEST**

Take a moment to pause. What is going right? What is going wrong?

**Scientists study the world as it is; Engineers create the world that has never been.  
- Theodore von Kármán**