**Efficient Car Design Worksheet**

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| **Materials** |
| * 5 Popsicle® / hobby sticks * masking tape, ~24 inches * 4 Lifesavers® mint candies * 3 drinking straws (small enough diameter to fit inside the mint candy holes) * 3 index cards * scissors |
| **Ask** |
| 1. In your own words, what problem are you trying to solve in this activity? |
| **Imagine** |
| 1. In the space below, brainstorm ideas of the car you want to build. Compare your ideas with your teammates and pick the design you want to try first. |
| **Plan** |
| 1. Draw the design your team determined to be the best solution in the space below. Make sure to identify the materials you plan to use. |
| **Create** |
| 1. Build your car.    1. What worked with your design?    2. What didn’t work with your design? |
| **Test** |
| 1. Race your car prototype.    1. What happened?    2. What do you want to change? Why? |
| **Improve** |
| 1. In the space below, draw a picture of your final design below. |
| * 1. Did you make changes to your original design? Explain why and how that affected your new car.**re** |