**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
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| **Ask** |
| 1. In your own words, what problem are you trying to solve in this activity?
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| **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.
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| **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.
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| **Create** |
| 1. Build your car.
	1. What worked with your design?
	2. What didn’t work with your design?
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| **Test** |
| 1. Race your car prototype.
	1. What happened?
	2. What do you want to change? Why?

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| **Improve**  |
| 1. In the space below, draw a picture of your final design below.
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| * 1. Did you make changes to your original design? Explain why and how that affected your new car.**re**
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