

# PRE-ENGINEERING & COMPUTER-AIDED DESIGN

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## *Pop Bottle Drag Races - Bottle Modification Guidelines*

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### **Directions:**

You must modify the bottom (front) of your pop bottle drag racer in order to participate. The goal is to make it more aerodynamic using the lightest materials possible.

What you **must** do:

1. Participate
2. Complete all research work prior to being given a racer kit
3. Decorate the bottle when finished making your modifications (paint, markers, etc.)
4. Have your name on the racer somewhere so it is identifiable as yours
5. Add a number to the sides of the racer
6. Use the parts that you have been given in your kit

What you **can** do:

1. Add materials
2. Use glue or adhesives
3. Lubricate axels with something that will not leave a mess

What you **cannot** do:

1. Cut the bottle in anyway
2. Add anything to the interior of the bottle
3. Use your own wheels and axels

If it doesn't appear on the lists above and you intend to do it or use it, I suggest you clear it with me first!