PWD: Adding Weight to your Car (from easiest to hardest)

Where to concentrate the weight?

 Best physics are to have weight concentrated near back of car, with a center of gravity about ³/₄" in front of rear axle slot

Option 1: Underbody Weights

- Underbody weights screw on underneath or on the sides of the car available at Michael's or Scout Shop
- On race day, can break off segments (using pliers) to adjust weight

Option 2: Insertable Weights

- Figure out how much weight you need to add
- Step 1: Cut tube weights to length with hacksaw
- Step 2: Use drill press to drill 3/8" hole into car slightly deeper than weight set depth stop so you don't drill all the way through, and stay away from axle slots!
- Step 3: Insert weight into hole, cover with wood putty and let dry, then sand flush
- Make sure your car will not be overweight, this is very hard to remove!!
- Can also use a sticker to cover the hole rather than wood putty to make it removable!

Option 3: Make a Weight Chamber

- Weight Chamber
- Create a weight chamber in the rear of the car and add a screw-on door for easy adjustments
- Step 1: Use template to mark hole center locations on car rear
- Step 2: Clamp the car for safety
- Step 3: Set drill bit depth stop so hole won't enter axle area or come through top, then drill holes
- Step 4: Use a chisel to remove wood between holes
- Step 5: Pick a pre-made door, tape onto rear of car
- Step 6: Drill matching holes into car with 5/64" bit
 - Step 7: Fill with lead or alloy weights (purchase at store), adjust car to 5.00 oz, insert screws





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with putty

8 nz (79.8 n



