

JunkBotz



NOTE TO COMPETITORS: If you are participating in JunkBotz, the latest you can declare your bot by 10:00 am on the day-of. This competition will be during lunch, meaning you must get lunch after we're done. Fights will consist of a singular 3 - 5 minute rumble.

Section 1 - Spirit of the Competition

1.1 This class is intended solely for tomfoolery and to watch junk die. If your bot wins, it goes against everything this class stands for

1.2 If you make Johnny make more rules, they will personally stomp your bot into bits while you watch

1.3 The goal of this class is to use junk (old toys, Ira's backyard grill, etc) and reused/recycled materials. The bots should be built as soon to the competition as possible, with copious amounts of caffeine involved.

1.4 The only purpose-built combat components you can use are an RC receiver, brushed ESCs, brushless ESCs, Fingertech Silversparks, n10/20/30 gear motors, and a LiPo no bigger than 6S (22.2v Nominal).

1.4.1 If you're using a battery that came with your power tool/Robomba/ETC, the voltage limit is 30v.

1.4.2 Brushless motors and servos that aren't purpose-built for combat robotics are fair game (no Mr. Peter Bar Man hubmotors)

1.5 **NSFW CONTENT IS EXPLICITLY BANNED**

1.5.1 Even for you, Kevin...

1.6 If you try too hard, we will let the other competitors spend 60 seconds kicking your bot

1.6.1 If you make your bot kick-proof, we will run your bot over with Brian's car. Don't ask how we got the keys...

1.6.2 If your name is Corey Lawrence, your bot will be thrown off the top of Cone Deck. No exceptions.

1.7 If you win the rumble, your bot gets banned. You have to come back with something new next year. Trust me, you don't want to win the rumble.

1.8 Absolutely NO 3D printed materials or custom CNC materials. The goal is to be screwing junk to junk, for things to be jank and designed on the spot. 3D printing goes against the spirit of the class. This rule extends to old 3D printed parts as well as new ones. 3D pens and the corpses of your enemies are the only exceptions to this rule.

Section 2 - Safety

2.1 If your bot has anything that could be a weapon, it must do/have the following

- It must use a standard RC receiver
- **IT MUST FAILSAFE**
- It must have an external switch or link and preferably an LED
- It must pass Johnny's "safety squint" test

2.2 Do not make Johnny DQ you...

Section 3 - **Weight class**

3.1 The robot shall visually weigh approximately 3 pounds. Bribes are accepted.

3.2.1 If the robot is deemed by the Event Organizer to be morbidly obese, the robot must have parts and sections of itself removed at random until it is considered to be in compliance with 3.1

3.2.1 Optionally, the Event Organizer and Competitor may agree to use a remote-controlled drone or a bunch of balloons in the arena tethered to the robot to relieve weight for the duration of the match.

3.3 If the robot is deemed by the Event Organizer to be severely underweight, the Event Organizer may order the addition of any materials within line of sight or reasonable, non-exerting reach to be appended to the robot.

3.4 Hovering, flying, or other means of relieving robot weight is permitted. The robot will be visually weighed using a visual estimate of the upward thrust force it seems to be capable of subtracted from its visual weight.

3.5 Robots may have parts of previously defeated opponents appended to them at no weight or budget penalty.

Section 4 - **Allowed Parts**

4.1 The parts used on the robot must, in majority, not be purchased explicitly for the robot but may comprise recycled materials, previous robots' parts or salvaged materials, trash from your nearest dumpster, or Kevin's apartment (we have their keys, we'll let you in). **1.4.1** and **1.4.2** are stupid text blobs that provide what electronics and motors you can use.

4.2 No organic materials. If you're using something that previously held an organic material, please wash it out. It's both a risk to those with allergies, more work for the EO's, and gross for those fighting after you. Nobody wants your 3-week-old hot dog sprayed all over the arena.

4.2.1 Wood is the only exception to the above rule.

Disclaimer: Participation in this competition is subject to acceptance (signing the waiver, paying any needed fees, etc). For legal reasons, rules 1.6.1 and 1.6.2 are satire and are not enforced. Participating in rule 1.6 is at your own risk.