

AIGA JACKSONVILLE PINWOOD DERBY 2016

OFFICIAL RULES



SHARE YOUR BUILD PROGRESS AT #AIGADERBY2016

In the end, it's all about having fun. But we want to make sure no one's having more fun at the expense of other racers. Just follow these simple rules and everything will be wonderful.

RACERS

All ages are welcome to enter, both AIGA members and non-members. To register and purchase an official kit, sign up at the next AIGA event or at jacksonville.aiga.org/event/derby2016

Want to enter a car you've raced in a previous derby? Go for it! The standard entry fee applies, and your car must comply with these technical standards and rules.

ENTRY FEE

An entry fee of **\$25 per registered car** is required to race. Each registration includes an official Boy Scouts of America build kit (provided by AIGA), a t-shirt (picked up on race day), and a movie ticket. There is no limit to the amount of cars that you can register. Interested in group registration? Or maybe you want to enter another car? Contact AIGA Jax.

TECHNICAL STANDARDS

We will inspect and weigh each car at the event starting at 11:00am on race day. **Your car must meet the following standards to be raced.** We'll have a few tools handy to help you meet weight requirements (drills, files, etc.) Please don't drive a drill bit through your hand, AIGA Jacksonville will not be responsible for any injuries.

Have fun with your design! Aside from these pesky rules, you are welcome to do whatever you want.

Material

All cars entered **must be constructed from the official kit purchased from AIGA.** You can add pretty much anything else you want to it. You don't have to use the wood from the kit, but it does come with those handy pre-cut axle slots.

Weight

Race cars must weigh **no more than five (5) ounces total** as determined on the official race day scale. Weight may be added and will be considered part of the car for purposes of all measurements. "Weight" is considered to be any material on the car that is not provided in the kit. All weight must be securely fashioned to the car, e.g. by permanent glue, nails, or screws — not by sticky substances, e.g. tape, spit, or chewing gum. Weights must be passive, i.e. nonmagnetic, non-electric, etc.

Size

Race cars must be **no longer than 7 inches and no wider than 2 3/4 (2.75) inches**, as determined by the official gauges at race day inspection.

Underside clearance of at least 3/8 (1.75) inches is highly recommended so the car will run on the race track.

Wheels and Axles

Your car **must roll on the wheels and axles from the kit you purchased from AIGA Jacksonville.** The axles must be firmly affixed to the wood of the car body. It must be obvious to the judges that the wheels and the axles from the kit are being used. Wheel treatment (smoothing and polishing of the hub and tread) may not result in substantial removal of mass or in reducing the tread (track contact) width from the original kit wheels. For example, removing a burr from the wheel that occurred when originally molded? OK. Claiming that you had burrs all around the wheel, causing you to sand the entire wheel? No way, man. You will have to take a set of stock wheels from us on race day and use them. That would not be fun.

Make a concerted effort to get **all four wheels touching the ground at once.** If it appears obvious you're trying to force the three (or two) wheel motion, you will be forced to correct your wheels before you can race. Again, not fun.

Gravity Powered

Just gravity. No engines, magnets, CO2 cartridges, rockets, etc.

Lubricants

Only dry/powder lubricants such as graphite may be used. Use of any wet lubricants will be means for disqualification and a stern talking-to.

AWARDS

Medals will be awarded for each of the following categories:

1. Big Idea

Awarded to the builder with a super clever, creative idea for a car — which maybe doesn't even look like a car. The concept should make you so mad you didn't think of it.

2. Best Design

Think of this as a craftsmanship award. It's awarded to the show-stopper that combines originality, proportion, shape, line, details, and is just plain better-designed than all the rest.

3. Fastest

Just like it says. This is awarded to the car that beats all the rest in our tournament-style bracket elimination.

**QUESTIONS? EMAIL US AT
DERBY@AIGAJACKSONVILLE.ORG**