

# Cub Scouts Pack 1776

## Pinewood Derby Race Rules

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### Pinewood Derby Car Inspection Requirements

- Dimensions
  - The overall length of the car shall not exceed 7 inches.
  - The overall width of the car shall not exceed 2¾ inches.
  - The car must have 1 3/4 inches clearance between the wheels.
  - The car must have 3/8 inches clearance underneath the body so it does not rub on the track.
  - If weights are used on the underside of the car, **they must be flush to the body of the car.**
- Weight
  - The official race scale that is used at car check-in shall be considered the official and final weight.
  - Regular Pinewood Derby Race Cars and those in the Open Category shall not exceed a weight of 5.0 ounces.
- Appearance
  - Car body detailing may not be made from any material deemed by judges as potentially damaging to the track. If you are concerned, ask before you build.
  - Details such as adding a steering wheel, driver, spoiler, decals, painting and interior details are permissible if these details do not exceed the maximum length, width, and weight specifications.
  - The front bumper of the car must have at least a 1 inch width in the center, so it can rest on the starting gate.

### Wood, Wheels and Axle Requirements

- The car must be free-wheeling with no starting devices or other propulsion.
- Wheels must be the BSA wheels provided in your derby kit. No other wheels will be permitted.
- All four wheels must touch the surface during inspection.
- The axles may be altered, polished and lubricated with graphite. However, this should be done at home and is not allowed to be added while inside the facility.
- Regular oils and silicone may soften the plastic wheels and damage the track and are thus not allowed.

### Car Modifications Not Allowed

- Wheel bearings, washers or bushings are prohibited.
- The car must not ride on any type of springs.
- No starting devices.
- The car must be freewheeling.
- No loose material of any kind, such as lead shot, may be used.
- No electronic engines

### Open Category Derby Racers

- Only one car per participant is permitted to race.
- The Open Category is for siblings or other family members that would like to participate in the race. Cars adhere to the same inspection requirements as the regular Pinewood Derby Racers.
- There is a \$5 fee to register a car in the Open Category. You must register and pay for your entry at the Pack Mtg Turn-In.

### Inspection

- Each car must pass inspection by the Official Inspection Team before it may compete.
- The inspection team has the right to disqualify those cars which do not meet these rules. Car owners who do not meet the appropriate specifications will have an opportunity to fix it, but if the car cannot be modified to meet the rules, the car will be disqualified.
- Once a car passes inspection and is entered into the race, only race committee members can touch it.

### Race Day

- Cars turned in on race day will still have to meet the qualifications of the Inspection Team.
- Late entries pay a \$5 fee to race.
- If the car loses a wheel or is otherwise damaged, the racer shall have 5 minutes to make a repair.
- Cars with wet paint will not be allowed to race.
- If a car hops off the track, the heat will be run again. If the car hops the track again, it will be disqualified for that round.
- Unsportsmanlike conduct by any participant or member of the audience will be grounds for expulsion from the competition and/ or the race area.
- Not all cars will receive a trophy or ribbon.