

2020 Pinewood Derby Rules

Pack 608

There will be two classes this year: District and Outlaw. Cub Scouts will race in the District Class, divided by rank. The three fastest racers from each rank are invited to race at the District Championship. Siblings and parents will race in the Outlaw Class. Outlaw Class cars may not race at the District Championship. Trophies will be awarded to the three fastest cars in each rank, as well as the three fastest overall for the Pack. The District Class will also have a prize for Best of Show. All Cub Scouts who participate will receive the Pinewood Derby Segment.

District Class:

1. Length, Width, and Clearance:

- a. Maximum overall width shall not exceed 2-3/4 inches.
- b. Minimum width between wheels shall be 1-3/4 inches.
- c. Maximum height shall not exceed 3 inches.
- d. Minimum clearance between the bottom of the car and the track shall be 3/8 inch.
- e. Maximum overall length shall not exceed 7 inches.
- f. Wheelbase (distance between the front and rear axles) may not be changed from the kit body
- g. The car must be constructed from an Official BSA Grand Prix Pinewood Derby kit.
- h. A Go/No Go box will be used to enforce size restrictions. The Race Official will have final say on whether a car meets the requirements.

2. Weight and Appearance:

- a. Total weight of the car shall not exceed 5 ounces. The Official Scale reading will be final.
- b. No liquids or loose materials of any kind are permitted on the car.
- c. Details such as steering wheel, driver, spoiler, decals, and painting are permissible but may not exceed the maximum length, width, height, or weight specifications.
- d. Cars must fit completely into the Go/No-go box.

3. Wheels and Axles:

- a. Axles and wheels shall be Official Grand Prix Pinewood Derby products in unmodified condition. Wheels may be lightly sanded to reduce imperfections. However, beveling, grooving, tapering, thin sanding, wafering, weighing or lathe turning of the wheels is prohibited. Colored BSA wheels are allowed.
- b. At least 3 wheels must always touch the track.
- c. Axles may not be altered other than de-burring, polishing, or limited bending.
- d. Wheel bearings, washers, bushings, springs, or hub caps are prohibited.
- e. No lubricating oil may be used. Axles may only be lubricated with powdered graphite or silicone.

4. General:

- a. Cars must be freewheeling, with no starting or propulsion devices.
- b. Cars must be made during the current year.
- c. Each racer will be assigned a Driver Number at check-in.
- d. The racer and their car must be present at check-in and during the race.
- e. If the car exceeds the requirements, the Scout will have an opportunity to correct the issue before officially checking it in.
- f. No additional modifications may be made to the car after check-in.
- g. Each racer will compete in 4 heats. Every car will rotate through each of the four lanes. Heats will be organized randomly by the racing software.
- h. The cars of qualifying Scouts who wish to race at District will be impounded by the Cub Master immediately after the Pack event.
- i. One car per Cub Scout in District Class. Additional cars may be entered in Outlaw class.

Outlaw Class:

1. Cars must meet the same weight, dimension, and clearance requirements as the District Class.
2. Cars do not have to be Official BSA kits and may be made from any material.
3. Wheels and axles do not have to be Official BSA but must not cause the car to exceed dimensional requirements. Wheelbase may be altered.
4. At least 3 wheels must always be on the track.
5. Only dry graphite lubricant may be applied. Liquid lubricants may foul the track.