

Cub Scout Pack 12

Pinewood Derby Race Rules

Cars must be built from the *Official Grand Prix Pinewood Derby Car Kit* supplied to the Scouts in December, 2006.

** Scouts must be present to race their car! **

Once cars have been registered, weighed and certified, they will remain in the hands of the race committee until the end of the competition.

1. **ONLY GRAPHITE WILL BE USED** to lubricate the cars. After the cars pass through registration, the racing committee will lubricate the cars before they are impounded. At no other time during the race will the cars be lubricated.
2. Because of possible damage to the cars and track, there will be no running, pushing, yelling, etc. in the building. (Yes, we know the children are excited and cheering on their cars, so parents and Leaders need to keep the Scouts and siblings in order, let's try to keep it down to a low roar!!)
3. Food and drinks will be available during the race (Hot Dogs, soda, etc...). Each heat will be announced. (Parents from each Den may be required to WORK the kitchen if we can not get the help of the St. Matthew Athletic Dept., don't worry; we will make sure you see your child's car race!!...i.e.: Tigers race, Wolf parents in kitchen...Etc...)
4. Scouts and all other spectators must remain behind the roped off area. Seats will be set up.
5. The starter will make sure the cars are on the track properly and then the race will start.
6. Results will be recorded by the **Fast Track Finish Line** and the **Grand Prix Race Manager Software**. (No more Guess work!!)
7. If a car leaves the track, runs out of its lane, interferes with another car, loses an axle, etc., the heat will be rerun. If the car cannot be repaired in a timely fashion, the contestant will be disqualified and automatically loses that race.

Cars constructed for previous Pinewood Derbies are not eligible to compete.

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Pinewood Derby Car Specifications

All racers, regardless of division, must comply with the following racing specifications, which are excerpted from the official Grand Prix Pinewood Derby Kit Instructions:

1. **Width:** Overall width shall not exceed 2-3/4". (So it does not interfere with the car next to it!) (Also wheels need to fit on track correctly!)
2. **Length:** Overall length shall not exceed 7".
3. **Height:** Overall height shall not exceed 5 1/2". (To clear the timer)
4. **Weight:** Finished car cannot weigh more than 5 ounces. The weight shown on the Official Race Scale is final. All car parts and materials must be firmly attached. To increase the car's weight, add wood or metal only.
5. **Wheels & Axles:** Use only Official Scout Grand Prix wheels and axles from the derby car kit as supplied. You can polish the axles. You may lightly sand the wheels to remove the molding seam on the tread. No other wheel changes are allowed. Washers and bushings are prohibited.
6. **Lubrication:** Use dry powdered graphite ONLY. You may not use any other lubricant, especially oils and silicone sprays. No graphite may be applied after car inspection.
7. **Springing:** The car shall not ride on any type of springs.
8. **Details:** Details such as steering wheel, driver, decals, painting, or interior details are permissible as long as these details do not exceed the maximum length, width, and height specifications.
9. **Attachments:** The car must be freewheeling with no starting devices.
10. **Inspection:** Each Car must pass inspection before it may compete. The Inspectors have the right to disqualify those cars that do not meet these specifications by race time.