

Cub Scout Pack 146 Pinewood Derby

Official Rules and Regulations

Length, Width and Clearance

- The maximum overall width (including wheels and axles) shall not exceed 2-3/4 inches.
- The minimum width between the wheels shall be 1-3/4 inches so the car will clear the center guide strip on the track.
- The minimum clearance between the bottom of the car and the track surface shall be 3/8 inch so the car will clear the center guide strip on the track.
- The maximum overall length shall not exceed 7 inches.
- The wheels should not extend out past the ends of the car (for protection from impact damage)
- The wheelbase (distance and location between the front and rear axles) may be changed from the kit body. In other words, you are allowed to move the axles from the original position.

Weight and Appearance

- Weight shall not exceed 5 ounces.
- The reading of the official scale will be considered final.
- Details such as steering wheel, driver, spoiler, decals, painting and interior details are permissible as long as these details do not exceed the maximum length, width or weight specifications.
- No liquids, loose materials or sliding weights of any kind are permitted in or on the car.
- Cars with wet paint will not be accepted.
- The nose of the car must be shaped such that no part of the car extends out past the dowel pin when at the starting gate. This means it cannot have a concave shape such as a V or a U, where the dowel pin would sit inside the cavity, and allow part of the car to sit out beyond it.
- Cars with sharp pointed noses should be avoided since these do not line up well on the dowel pin of the starting gate.

Wheels and Axles

- Absolutely no other axles or wheels are allowed, except the ones that came with the Official Pinewood Derby® Car Kit (Grand Prix Pinewood Derby Kit #17006).
- Wheels may be lightly sanded to smooth out molding imperfections the tread area. This light sanding is the only modification allowed. Beveling, tapering, thin sanding, wafering or lathe turning of the wheels is prohibited.
- Axles may not be altered in any way except for polishing and de-burring, however as previously mentioned the location of the axels may be changed.
- Wheel bearings, washers, bushings, and hub caps are prohibited.
- The car shall not ride on any type of springs.
- The car must be freewheeling, with no starting device or other type of propulsion.

Lubrication

- No lubricants may be used for lubricating the wheels. This includes powdered Teflon, graphite, any oils, grease, liquid, or spray lubricants of any kind.

Pack Inspection and Registration

- The Pack race is open to all Cub Scouts and Webelos Scouts registered in this Pack.
- Each car must pass a technical inspection before it may compete. This will occur during the official car registration, and will include vehicle weight check, vehicle dimension check, and wheel lubrication inspection.
- The Pinewood Derby Track will be setup in order for the boys to test their cars before impound.
- All cars must be registered during the published Registration period in order to be eligible to race.
- If a car fails any part of the inspection, the Scout and his parent or guardian may make adjustments to the car up to the deadline for the Registration period.
- Once a cub is ready to impound their car it should be presented for final inspection and weigh-in, after which it will be impounded along with all the others until the race is completed.

Pack Race Rules

- Scouts must be present at the event and wearing their Class 'A' Uniform, in order to race.
- A car may not be raced by a parent or other "stand-in."
- Each scout may enter only one car in the competition.
- The car must have been built during the current year (the school year in which the Derby is held).
- Cars that have competed in a previous year's Derby are not permitted.
- Each car will run in five races; once in each of the five lanes of the track.
- The total combined time for each of the four runs will be used to determine the winners.
- If a car jumps the track, the race will be run again. If the same car jumps the track a second time, that car will be given the maximum race heat time set by the race officials.
- If a car becomes damaged the racer will have up to 5 minutes to repair the car and the race will be run again. Otherwise, the damaged car will be given the maximum race heat time set by the race officials.

Pack Winners and District registration

- The District race is open to the first, second, and third place winners of the Pinewood Derby Races of each Pack in the Button Gwinnett District.
- An alternate fourth placed car may also be submitted to District in case one of the other three cars is unable to race. The fourth place Scout and car should be on stand-by.
- Scouts racing in the District Race shall be a registered Tiger Cub, Cub Scout, or Webelos Scout in a Pack in the Button Gwinnett District.
- These four cars must be impounded by the Pack Pinewood Derby coordinator, or a designated leader, immediately following the Pack race and until the District Pinewood Derby Race.
- The car may not be modified in any way between the Pack's Pinewood Derby Race and the District Pinewood Derby Race.

Please remember that this is a Cub Scout event and the intention is for the boys to have a positive and rewarding experience. Please respect the rules, the officials and other competitors.

Keep the Cub Scout Oath and Promise in mind and HAVE FUN!