



PACK 444 PINewood DERBY

Official Information and Rules Packet

All Scouts must follow the rules and regulations outlined below for their car to be eligible to race. Failure to comply with these requirements may result in disqualification from race participation. All final decisions regarding disqualification are at the sole discretion of the Pack 444 Key 3.

Rules and Regulations

- All currently registered Pack 444 Scouts are eligible to participate in the Pinewood Derby.
- Each Scout may submit only one car for the official race.
- Only official Cub Scout Pinewood Derby kits (as provided) are permitted. The use of PineCar or any other non Cub Scout kit is prohibited.
- The use of pre-shaped car bodies, machined wheels, or pre-lathed axles obtained from online retailers or any other source is strictly prohibited. This includes pre-cut wood blocks sold at the Scout Shop or online.
- Cars must be built during the current scouting year. Cars may not be reused from previous years. All cars must be constructed between November 2025 and January 2026.
- Only gravity-powered cars are permitted.
- Materials from the official kit may be supplemented but not replaced (e.g. added decals, weights, exhaust pipes, drivers, etc.)
- All cars must race front-first. Cars must have a clearly designated front and rear. If this is not visually obvious, the Scout must designate and clearly mark on the car indicating which end is the front.
- No part of the car may extend beyond the start gate pin; the entire car must line up completely behind the pin at the starting position.
- At least three wheels must remain in contact with the track at all times. Wheels must be from the original kit or purchased from the official Scout Shop. Wheel width and diameter must match the standard wheels provided in the kit (e.g. wheels may not be shaved to a narrower width).
- Axle nails must be firmly affixed to the wood of the car body. One-piece axles and machined pins are not allowed.
- Axles may be lubricated only with dry lubricants, such as powdered graphite or silicone. Liquid lubricants—including Ny-Oil and similar products—are prohibited. Acceptable examples include graphite and graphite-molybdenum blends.
- **All work must be performed by the Scout with the guidance of a parent/guardian.** The goal is for the Scout to do as much of the building and designing of his/her car as is safely and reasonably possible. This is a shared Cub Scout/adult project, meant to be enjoyed together, and the Scout is expected to participate to the best of their ability.
- All cars must be registered, pass inspection, and be impounded on the designated inspection day. Any cars not turned in during inspection are not eligible to participate in the race. The inspection turn in day for the 2025-2026 Scouting Year is: **January 13th 2026.**
- Once impounded, no further modifications or lubrication are allowed.
- The Scout must be present to check in his or her own car on inspection day, unless prior permission has been granted for another individual to present the car for inspection.
- The Scout's name must be written on the bottom of the car.
- **Scouts will not number their car.** Car numbers are assigned after inspection/turn in.

Car Specifications

The following specifications are required for car to be eligible for official race.

In fairness to all Cub Scouts, cars not conforming to these specifications will not be allowed to race.

- **Weight:** Not exceeding 5 ounces.
- **Width:** Not exceeding 2.75 inches.
- **Length:** Not exceeding 7.0 inches.
- **Height:** Not exceeding 5.0 inches.
- **Max Nose Height:** Not to exceed 1.25 inches.
- **Wheel Distance:** Approximately 1.75 inches between the wheels.
- **Wheel Base:** Car must have a wheelbase of between 4" and 4-1/2". Approximately 4-3/8 inches (113 mm). The original kit axle slot distance must be used; the distance from the front wheel axle to the rear wheel axle cannot be shortened or lengthened.
- **Chassis Clearance:** 3/8 inch minimum is recommended. - Note: Any car with less clearance will be checked on the track to ensure no interference with the track.
- **Starting Pole:** No part of the car can extend past the starting pin gate/pole when in the start position.

Car Inspections

All cars must be turned in for inspection at Den Meeting on Tuesday January 13th.

Once car has been turned in for inspection no modifications or lubrication may be added, and car will be impounded until race day.

All cars must pass the following inspection to qualify for the race.

1. Use of official BSA Pinewood Derby kit (provided by Pack)
2. Width shall not exceed 2.75 inches.
3. Length shall not exceed 7 inches.
4. **Weight shall not exceed 5 ounces.**
5. Axles, wheels, and body shall be from the materials provided in the kit. Additional wheels can be purchased separately from official Scout Shop.
6. Wheel bearings, washers, and bushings are prohibited.
7. No lubricating oil may be used. Axles may be lubricated with powdered graphite or silicone.
8. The car shall not ride on any kind of spring.
9. Three or more wheels must always maintain contact with the track.
10. Car must be powered by gravity. The car must be free-wheeling, with no starting devices.
11. No loose materials of any kind are allowed in or on the car.
12. No part of the car can extend past the starting pole when in the start position.
13. Scouts name must be visibly written on the bottom of car.

Car Themes

The car themes for the 25-26 Pinewood Derby race are outlined below.

Awards will be presented to the car that receives the most votes per category at the PWD.

Each car may only win one category.

- Best Paint Job
- Best Trending Lingo Themed Car
- Best Video Game Themed Car
- Most Creative/Original Car
- Most Animal or Creature Like Themed Car
- Most Space/Sky/Galaxy Themed Car

2025-2026 Pinewood Derby Dates

The following are the important dates to keep track of through this Pinewood Derby Season!

- **Tuesday- November 18th-** Pinewood Derby Kickoff (Car kits and Rules are distributed)
- **Saturday- December 13th-** Pinewood Derby Workshop Day hosted by Scouting Colorado (See below for details on how to register)
- **Tuesday- January 13th-** Pinewood Derby Car Due for turn in and inspection
 - Any cars not turned in on this day are not eligible to race.
 - We do a staggered timeslot turn in by Den so be on the lookout for more information as we get closer to turn in day.
- **Saturday- January 17th-** Pinewood Derby Race Day!!!
 - *Additional details will be provided as we get closer to Race Day!
 - Where: St. James Presbyterian Church
 - Address: 3601 W Belleview Ave, Littleton, CO 80123
 - When: (Tentative-Subject to change) Doors open 11:00 AM---Race starts at 11:30 AM

Pinewood Derby Workshop Day Details

For those needing assistance in building their car may attend the Pinewood Derby Workshop hosted by Scouting Colorado at Colorado Adventure Point on December 13th from 10:00 AM to 2:00 PM.

You must register in advance to attend the workshop. Link to registration can be found on our Pack 444 website under the calendar section. All Scouts who plan to attend the workshop must have a parent/guardian present assisting them at all times.

The cost to register is \$8.00 per Scout participating assuming you bring your Pinewood Derby kit provided by Pack 444.

Registration closes on Monday, December 8th at 11:00 PM.

2025-2026 Pinewood Derby Contacts:

Race Principle/Track Master: Lexie Anderson

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