

Cub Scout Pack 152 - Pinewood Derby Rules – 2010

- A. **Location: O’Hara Elementary School**
- B. **Date/Time: January 9, 2010, 8:00 AM – 12:00 PM. Den start times will follow later. Please note this time is subject to change. Please check your email for changes as the date approaches.**
- C. The car must be newly built for the current Cub Scouting year. The car should be substantially built by the Scout. Parental supervision in the construction of the car is encouraged.
- D. The body of the car must be made from the block of wood provided in an official B.S.A. Pinewood Derby Kit. Wheels may not be designed to ride upon the guide strip of the track. Loose pieces that fall off during a race are not permitted. The front of the car may not be designed to gain an unfair advantage at the start or to interfere with a fair start.
- E. The axles of the car must be from the official B.S.A. Pinewood Derby Kit or an official wheel replacement kit. Axles must be firmly attached to the car. The car may not have a spring suspension system.
- F. The wheels of the car must be from the official B.S.A. Pinewood Derby Kit. “Speed wheels” that have modifications for enhanced performance are not allowed. Mold projection defects on wheel treads may be removed by sanding lightly. The wheels must be attached to the car with the pins provided in the kit. No bearings, washers, or spacers are used as part of the wheel assembly.
- G. **DO NOT MOVE THE AXLES** - use the nail slots already positioned on the block of wood. Use wood glue or model cement to hold the pin axle in the body.
- H. Lubrication - only graphite powder or the new B.S.A. white lube T102/polytetra fluor oethylene may be used to lubricate wheels. (Warning - other lubricants may damage the plastic wheels and keep them from turning freely.) The Pack will NOT provide graphite powder lubricants. Once the car is impounded, it may NOT be re-lubricated. Graphite must be applied before the car is checked in and may not be added after that time.
- I. The total weight of the car may not exceed 5 ounces (141.75 g). The maximum width of the car, including wheels, may not exceed 2.75 inches. The maximum length of the car may not exceed 7 inches. The motion of the car may not be mechanically aided (motor, springs, rubber bands, etc. are prohibited).
- J. The Cubmaster shall be the final decision maker for all questions regarding compliance with these rules, race results, disqualifications, and other matters related to the Pinewood Derby. All decisions by the Cubmaster shall be final and binding. In the event that any issues arise regarding the child(ren) of the Cubmaster, then the Committee Chair shall be the final decision maker. If an issue affects the children of both the Cubmaster and the Committee Chair, then an unrelated Webelos den leader shall make a final binding decision on the matter.
- K. The above rules apply to all Cub Scout cars. Cars entered by siblings or other family members in the “family” race are considered to run in an “unlimited” class, and will only be subject to the limits in paragraphs H and I.