



PINEWOOD DERBY

OFFICIAL RULES

February 9, 2019



Rule #1: Do Your Best!

Rule #2: Have Fun!

Rule #3: Select the Race You Want to Compete In

- **Standard Race:** This race is only for all active Pack 58 Cub Scouts.
 - All Cubs will be automatically placed in the Standard Race upon registration, to compete for fastest car (as determined by computerized timer speed).
 - Cars will never race in the same lane twice and the top time from all their heats will be used to determine the winner by rank.
 - Cubs may also choose to compete in the following Pack-wide design categories (winners to be selected by judges):
 - **Best Scout Theme** – Car design and decoration best represents Scout Spirit!
 - **Most Patriotic Theme** – Car design that best demonstrates American Spirit! *(Cubmaster's request: Scouts is a non-partisan organization. Please help keep it so!)*
 - **Cubmaster's Choice Award** goes to the design and construction effort that catches the Cubmaster's admiration! Usually goes to most original or unique!
 - Design certificates will be awarded in each rank for the following: **Most Creative, Best Craftsmanship, Most Original, Best Theme, Best NASCAR-inspired design**

- **Open Family Race:****
 - This race is for any entrant. Cub Scouts and Boy Scouts from any unit may participate, but Cubs must enter secondary cars. **
 - Scout Leaders, Parents, other Adults may participate. Siblings or Friends of any age may participate. **
 - All entrants will race against each other.
 - Top Times will receive a trophy.
 - ****NOTE: IF AN ENTRY HAS PREVIOUSLY WON A PACK 58 DERBY TROPHY, IN EITHER STANDARD OR OPEN CATEGORIES, IT CANNOT BE RE-ENTERED INTO THE OPEN RACE... LETS GIVE NEW CARS A CHANCE TO WIN!!**

Rule #4: Follow the Official Guidelines:

- **Standard Race.**
 - The car you race must be **new**; one built this School Year (2018-19) for this race. Scouts should complete as much work as possible on the car, with help only as needed for safety and fun.
 - THE PACK WILL HAVE A "TUNE-UP" STATION AT THE RACE FOR LAST-MINUTE TWEAKS BEFORE CHECK IN.
 - All cars must use the Official BSA pine block kit supplied by the Pack, along with the kit axles and wheels. Extra kits can be purchased if entering a 2nd car in the Open Race
 - The axles and wheels may not be modified, but you can remove irregularities (burrs, seam bumps, etc.).
 - **All 4 wheels must make contact with the track** (cannot run on 3 wheels)
 - The pine block can be modified in any way you wish, but the space at the axles (1 ¾" width of block at each axle) **must not be changed** so that the car will fit on the racetrack. Also, the distance between the pre-cut axles cannot be modified (lengthened or shortened).
 - Weights and decorations should be securely attached to the car.
 - Paints and adhesives must be completely dry by check-in time.
 - The center of the racetrack is raised to guide the cars; **do not allow anything to extend below the bottom of the pine block.**
 - Any weights on the bottom of the car should be recessed into the wood.
 - Cars must be able to fit on the track and not impede competitor's cars.
 - **The maximum weight of the completed car is 5.0 ounces.**
 - **The maximum overall length is 7 inches.**
 - **The overall width, including wheels, is not to exceed 2 ¾".**
 - **To fit below the finish gate, the maximum height of the car/decorations is 4 7/8".**
 - Only dry lubricants may be used.
 - Prohibited items include: motors, rubber bands, springs, starting devices, propulsion devices, bearings, bushings, washers, skids/runners, non-kit axles, non-kit wheels.
 - **Scout Spirit shall prevail!**
 - For any questions about the rules or items not covered in these rules, the Cubmaster will have the final say.
 - DESIGN/DECORATION NOTE: Please avoid overt political, commercial or similar promotions when decorating cars.

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 - **The maximum overall length is 7 inches.**
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 - **To fit below the finish gate, the maximum height of the car/decorations is 4 7/8".**
 - Only dry lubricants may be used.
 - Entry will not be eligible if car has previously won a Pack 58 racing award.
 - These are the only rules for the Open Race.

Race Day, FEBRUARY 9, 2019

- **Wear your full Class-A Scout uniform as this is an official Cub Scout Event!**
- **Be sure to check your car in on time... get there early!**

CHECK IN B/W 10:30AM--12:30PM. RACES START AT 1PM, EVENT ENDS BY 4PM

- 1pm: National Anthem, Design Awards & Checkered Flag Drop
 - 1:15-1:30pm: Lion Cub Heats
 - 1:30-2:00pm: Tiger Cub Heats
 - 2:00-2:30pm: Wolf Cub Heats
 - 2:30-3:00pm: Bear Cub Heats
 - 3:00-3:30pm: Webelos & Arrow of Light Heats
 - **PACK CHAMPIONSHIP HEATS: 3:30-4pm** (*Top 3 from each rank*)
 - Family/Open Races: 4-4:30pm
 - 4:30-5pm: TEAR DOWN/CLEAN-UP
- Due to the need to load entries in the computer system for this event, we cannot accept cars that are checked in late. If there is a chance you are unable to make the check in time, please make arrangements with your Den Leader. You can always have someone check in your car on your behalf.
 - Race officials will check each car for compliance, and space will be available for tune-ups. The track will not be open for testing.
 - When your car is ready and lubricated, you will give it to a Pit Boss to be measured and weighed. If necessary, you can add or remove weight as needed. A repair station will be on-site
 - After passing the check-in process all cars will be “impounded” until the completion of race circuit.
 - After check-in and prior to the race, cars will be displayed and judged in the multiple categories.
 - Four Heats will be run in six-car heats by Rank, rotating cars on different tracks. At the end of each set, the 1st, 2nd & 3rd Place winners will be announced for that Rank.
 - **After all Rank Races are complete the 1st, 2nd & 3rd Place cars will move on race to determine the overall Pack winner.** If your son is a winner, please stick around!
 - Top Racers from each Rank qualify to advance to the Council-wide Pinewood Derby Championship held March 23, 2019 at the NASCAR Hall of Fame!!

Have fun and Good Luck!