



BOY SCOUTS OF AMERICA®

LAUREL HIGHLANDS COUNCIL

BEAVER VALLEY DISTRICT

BEAVER VALLEY DISTRICT CUB SCOUT PINEWOOD DERBY RULES

1. Each unit can enter a **total of two** scouts in each rank level (Lion, Tiger, Wolf, Bear, Webelos, AOL) to participate.
2. Races will be held by rank (Tigers will race against Tigers, etc. -same for Lions, Wolves, Bears, Webelos, AOL).
3. Races will be timed, each car will race each lane an equal number of times and the times will be averaged to determine the fastest cars in each rank.
4. A parent or adult guardian must be present with the Cub Scout during the registration and race.
5. Each Cub Scout must use official Cub Scout Pinewood Derby Kits (axles, wheels, body wood), and should have made the car for this year's race. Kits purchased from non-BSA sources (internet, dept. store, etc.) may not meet standards and/or may not fit on BSA standard tracks or finish line mechanisms. **BSA colored wheels are accepted. Judges may disqualify any car from a kit if it does not abide by BSA length, width and weight. (See #5-9 below).**
6. Wheel bearings, washers, bushings, springs or suspension are not permitted. Each car will be evaluated by the race officials using the 7 Point Wheel Adjustment Tool to keep the evaluations consistent for all racers.
7. The wheelbase of the car cannot be altered in any way (axle grooves may not be spread apart, moved closer together, or shifted closer to back or front). If an axle groove has not been cut square at the factory, it may be filled in and re-cut in the same place.
8. Wheels may not be altered in any way (shape, painting, etc.). ONLY mold projections on wheel surface may be removed by sanding lightly as long as the shape or size is not changed. DO NOT SAND ENTIRE WHEEL SURFACE. Tire must retain a flat surface. **All 4 wheels must be present and must come in contact with the track.**
9. Overall body width is not to exceed 2 3/4". Length is not to exceed 7". Height should not interfere with track starting or finishing mechanisms. Car must have minimum 3/8" clearance from tire base to underside of car as not to drag on the track lane strip.
10. Cars will be weighed in and must not be over 5.00 oz. If they weigh more, it is up to the family to correct the issue during registration. ***Race times will not be delayed for alterations.***
11. No loose materials of any kind are permitted in or on the car. Any detailing or decorative ornamentation must meet all size and weight restrictions and be securely attached.
12. **No oil, grease or silicone spray should be used on axles or wheels.** Only powdered graphite is permissible and must be applied prior to placing the car in the race "pit" area. For the race at indoor locations, all graphite must be applied outside of the building.
13. **Race officials have the right to inspect and reject any car based on the stated rules, or if the car violates the scouting spirit of fair play or common sense. (If in doubt, please make arrangements BEFORE the day of the race.)**
14. Registered cars will be given a Derby participation number affixed to the car by the registrar at weigh-in, and will then be placed immediately in the pit area. Cars will not be allowed to leave the "race pit" for adjustments.
15. No work may be done on cars once they are weighed-in except in an emergency, such as a wheel falling off.
16. If a car loses a wheel during the race, **the Cub Scout and one adult only** will be permitted to try to fix it in the "race pit" area. Repair time limit - 5 minutes.
17. Each Cub Scout will be called up to 3 times to come to the starting position. If after a reasonable time the scout does not show up, the car will be eliminated from the race.
18. For each rank Trophies will be presented to the 1st, 2nd, and 3rd place winners. Awards not limited to these listed.
19. The decisions of the judges shall be final.
20. ***Please remember the purpose of the Pinewood Derby and the Scouting program. Every Scout that makes it this far is a winner and should be made to feel like one. We would also appreciate your cooperation on race day. The people running the tracks are volunteers giving their time and are not professional racetrack operators. Courtesy and understanding would be much more appreciated than abusive or confrontational behavior that conflicts with the Scouting Spirit.***

