

TUSSAHAW DISTRICT PINEWOOD DERBY
OFFICIAL RULES AND REGULATIONS
REVISED January 16, 2020

GROUND RULES

1. For the purpose of the Tussahaw District Pinewood Derby, these rules shall supersede all others, regardless of source.
2. First and Second place winners in the rank categories of Lion, Tiger, Wolf, Bear, Webelos I, and Webelos II (Arrow of Light) for each Pack shall be eligible to race at the District level. The total number of Scouts participating from each Pack at District shall be no more than 12: (2) Lions, (2) Tigers, (2) Wolves, (2) Bears, (2) Webelos I, and (2) Webelos II (Arrow of Light).
3. Cars shall be new for the Council year in which they compete. To the extent possible, Scouts shall design and build their own cars with minimal adult assistance.
4. Cars shall pass inspection by the Official Inspection team before being allowed to compete. Cars that do not meet these specifications shall be disqualified from competition. Owners of disqualified cars shall be informed of violations and given an opportunity to correct them, if there is sufficient time. Derby heats shall not be delayed for car alterations.
5. Only Derby Officials and Scouts actually racing shall be allowed in the designated track area.
6. Late arrivals may run their car down the track after all other races have been completed which will qualify the owner for a participation award. Late arrivals shall be defined as anyone arriving after the Derby participants have been registered and the race has started. Late arrivals shall not be allowed to race out of their rank category.
7. Cub Scouts must be present to race their own car. Substitutes such as another Scout or an adult cannot race the car for the absent Scout. Participants should be in BSA uniform.

DISPUTES

8. Any participant (or his/her parent/guardian) may petition the Derby Committee for an interpretation of these rules. The Derby Committee, by majority vote, shall be the final judge of these rules. In case of a tie vote, the decision of the Committee Chairman shall be final.
9. Un-sportsman-like conduct on the part of any participant or member of the audience shall be grounds for disqualification and expulsion from the Derby arena.

CAR SPECIFICATIONS

10. Cars shall be made from the Official Cub Scout Grand Prix Pinewood Derby kits. Only Official BSA bodies shall be allowed. Details, such as steering wheel, driver, spoiler, windshield, fenders, flares, decals, stickers, et cetera, from other sources shall be allowed, provided that these details do not exceed the maximum length, width, and weight specifications.
11. Maximum overall width shall be 2 ¾".
12. Maximum overall length shall be 7".
13. Minimum ground clearance shall be 3/8".
14. Maximum weight shall not exceed 5 ounces. Readings of the Official scales shall be final. Cars may be hollowed out and built-up to maximum weight by the addition of filler, provided that it is securely built in to the body, or firmly affixed to it.

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15. Loose or liquid fillers of any kind (including mercury) shall not be allowed.

WHEELS AND AXLES

16. Only the Official Cub Scout Grand Prix wheels and axles shall be used.

17. Wheels shall not be shaped in any manner, except that they may be polished and trued. Wheels shall have smooth, square profiles; they shall not have grooves or ridges.

18. Bearings, bushings, washers or springs may not be used in any manner.

19. Wheel cavities shall not be filled with any type of putty.

20. Cars shall be freewheeling, with no means of propulsion except gravity.

21. Axle mounting holes may be drilled, but the distance between axles (wheelbase) shall not exceed the stock dimensions (approximately 4.375”).

22. Axles may be smoothed or polished.

23. Covering of wheels shall not be allowed; wheel hubs must be open for inspection.

24. All 4 wheels must touch the track.

LUBRICATION

25. Liquid or paste-type lubricants shall not be allowed. Only dry powdered lubricants, such as graphite, talc, chalk, et cetera, shall be allowed.

26. Cars shall be lubricated before inspection and weigh-in. No further lubrication shall be allowed after check-in. Cars may not be lubricated between heats.

RACING RULES

27. After passing inspection and being registered, cars shall be placed in the impound box by the Inspector or designee. After being impounded, there shall be no further contact with the car until the race begins. During the race, only the owner, or a designated Derby Official, shall deliver the car to the Starter and retrieve the car from the finish line. Extenuating circumstances bearing on this requirement should be discussed with Derby Officials prior to registration, at which allowances shall be made and recorded. Official Starter shall release the starting gate only after receiving an “All Ready” signal from Finish Line Judge.

28. If a car is damaged or jumps the track before the heat is finished, the heat shall be run again. If the same car is damaged or jumps the track a second time, it shall lose the heat.

29. Repairs of cars damaged while racing shall be made in the Official Pit, under the supervision of a Derby Official. Parents may assist their Scout in making repairs. Repair time shall not exceed 10 minutes. No re-lubrication of repaired cars shall be allowed, and cars shall be re-inspected by a Derby Official before returning to the race.

30. The Derby shall be run as a timed race. Computerized software will capture the time between the start gate and the finish line of the track. Each car will be run in all four lanes of the track. The slowest of the four captured times is dropped from the system to account for any “slow lane” issues. The remaining three times are added together to determine a total time for each car. These machine-calculated times shall be used to determine Derby winners/placement.