

TUSSAHAW DISTRICT PINEWOOD DERBY
OFFICIAL RULES AND REGULATIONS
REVISED September 9, 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). **Note: Additional racers are allowed to participate, but only two designated Cubs from each Den of each Pack will be considered for District race winners.
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. 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 3/4". Maximum overall length shall be 7". Minimum ground clearance is 3/8".
12. 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.
13. Loose or liquid fillers of any kind (including mercury) shall not be allowed.

TUSSAHAW DISTRICT PINWOOD DERBY
OFFICIAL RULES AND REGULATIONS
REVISED September 9, 2020

WHEELS AND AXLES

14. Only the Official Cub Scout Grand Prix wheels and axles shall be used.
15. 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.
16. Bearings, bushings, washers or springs may not be used in any manner.
17. Wheel cavities shall not be filled with any type of putty.
18. Cars shall be freewheeling, with no means of propulsion except gravity.
19. Axle mounting holes may be drilled, but the distance between axles (wheelbase) shall not exceed the stock dimensions (approximately 4.375”).
20. Axles may be smoothed or polished.
21. Covering of wheels shall not be allowed; wheel hubs must be open for inspection.
22. All 4 wheels must touch the track.

LUBRICATION

23. Liquid or paste-type lubricants shall not be allowed. Only dry powdered lubricants, such as graphite, talc, chalk, et cetera, shall be allowed.
24. 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 (MODIFIED FOR COVID-19 RESTRICTIONS, PLEASE READ**)**

25. General safety guidelines:
 - a. Face masks/shields are required of all participants, parents, spectators, and race officials/volunteers.
 - b. Social distancing guidelines are built into the race format and should be maintained by all participants/guests. Only 1-2 Scouts should be near the racetrack at any given time (see below modified race format).
 - c. Race officials will be wearing gloves for handling all cars and take frequent opportunities to sanitize gloves/surfaces.
 - d. Race officials WILL NOT be sanitizing individual cars, but will sanitize hands/gloves between each racer. Please note that we accept no responsibility for the effect of accidental exposure of hand sanitizer/cleaner on a car's paint job/performance, but will do our best to take proper care of each car.
26. Official race pre-registration must be completed on the Flint River Council website. Scout name, Pack membership from the Spring of 2020 (in case a transfer has occurred over the summer, meaning a Scout should race with the Pack they originally raced in during the Spring), Den membership during the Spring of 2020 (example: a current Wolf would have been a Tiger in the Spring when District Races would have originally been held), email address, and a phone number are required for each participant/parent. Phone numbers and email addresses are required for each participant to allow communication in case of a race time alteration (weather delay, etc.). Yes, races will be held outdoors, weather permitting, at Wesley Way UMC, 150 John Wesley Way, McDonough, GA 30252.

TUSSAHAW DISTRICT PINWOOD DERBY
OFFICIAL RULES AND REGULATIONS
REVISED September 9, 2020

27. Race Day Schedule, October 3, 2020 (**NOTE Schedule is subject to change based on registered participation):
 - a. 9:00 AM – Lions
 - b. 10:00 AM – Tigers
 - c. 11:00 AM – Wolves
 - d. 12:00-1:00 PM (break and catch-up if necessary)
 - e. 1:00 PM – Bears
 - f. 2:00 PM – Webelos I
 - g. 3:00 PM – Webelos II/AOL
 - h. 4:00 PM – Sibling Races
 - i. 5:00 PM – Adult/Outlaw Race (NO RULES APPLY, except no powered cars & only graphite lubrication)
28. On the day of the race, a pre-inspection station will be located near the racetrack for ensuring cars meet the above specifications. This pre-inspection DOES NOT take the place of the final inspection by a race official prior to race participation. Participants may utilize the pre-inspection station tools upon arrival. Except for utilizing the pre-inspection station, participants should remain in their vehicles until informed it is their time to race.
29. Upon arrival on race day, if possible, send a text to the phone number listed on the signs posted in the parking area with your Scout's name and Pack number. Your text will be acknowledged, and you will be placed in line for inspection and racing (at this time, use the pre-inspection station if you would like). When it is your Scout's turn to race, you will receive a text to proceed to the race area. If you are unable to text, please see the race official at the pre-inspection station on race-day (text is preferred).
30. When arriving at the race area, the car will be subject to inspection as noted above, and then placed on the track by a race official. At this point, your Scout can "choose their opponent(s)" from the Troop 2020 racecar stock. **Note: Cars will be labeled with their speed/time, and race officials can assist in choosing an appropriate opponent after a "test run" of your Scout's car. The goal will be to make the races fun and competitive for all Scouts. Note that none of the Troop 2020 cars will be competing in the official Tussahaw races.
31. After being placed on the track, 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 participation, at which allowances shall be made as appropriate. The Official Starter shall release the starting gate only after receiving an "All Ready" signal from Finish Line Judge.
32. If a car is damaged or jumps the track before a run is finished, the race shall be run again. If the car is damaged or jumps the track a second time, it shall lose the heat. 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.
33. 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. Winners will be announced at the Tussahaw District Roundtable Meeting held on October 8th at 7:00 PM (location TBD, but most likely on Zoom). Winners will also be announced on the Tussahaw District Facebook page (<https://www.facebook.com/groups/BSATussahawDistrict>).
34. The 2020 Tussahaw District Pinewood Derby Races are being held as a service and fundraiser for the newly formed Scouts BSA Troop 2020 of McDonough. Any questions related to this event should be directed to BSATroop2020GA@gmail.com. For the top winners in each Den and overall Tussahaw race winners, Troop 2020 would be glad to present the awards in person at your next meeting/event. After official winners are announced, please feel free to contact us at the email above to request in-person award presentations.