

COWETA DISTRICT – FLINT RIVER COUNCIL OFFICIAL PINEWOOD DERBY RULES

(Approved 12-1-16)

CAR SPECIFICATIONS

All Speed cars and Best in Show cars must meet the following specifications:

Width: Maximum width of car not to exceed 2 3/4 inches

Wheelbase Width: Width between the wheels must be at least 1 3/4 inches

Length: Maximum length of car not to exceed 7 inches

Weight: Maximum weight of car not to exceed 5 ounces

Wheelbase: Length between front and rear axles must be 4 1/2 inches (+/- 1/8 inch)

Clearance: Clearance between bottom of car and track must be at least 3/8 inches

GENERAL RULES

1. Each race car must pass inspection by the Official Inspection Committee before it may compete. The ruling of the Inspection Committee is final. The Coweta District Committee Race Representative is the authority for interpretation of any specification or rule.
2. If a car does not pass inspection, the owner will be informed of the reason and will be given an opportunity to make adjustments within the remaining official inspection period. The car must be re-inspected before the end of the official inspection period.
3. Every pack will be given a copy of the Official Pinewood Derby Rules and must follow these rules within their pack. Rules and procedures

will be posted on the Council website and are available from the District Executive.

4. All cars competing in any category must be built in the year (school year calendar) the car is raced or shown.
5. All District Derby participants may only enter the car that they won with at their Pack PWD in the current year (school year calendar).
6. Car must be built from the official Cub Scout Grand Prix Pinewood Derby Kit (either new or old design - consisting of the block, wheels and axles).

AXLES AND WHEELS

7. Wheels and axles are subject to inspection after the final race in that division. Any car that does not meet the specifications within the rules will disqualify the entry in the speed division.
8. Axles may be filed for burrs only, sanded, and/or polished only; no reduction in the diameter of the axles will be allowed.
9. It is permissible to drill holes for the axles as an alternative to the pre-cut grooves. If this option is chosen, the end of the nail must be visible to inspection.
10. Only the axles and wheels provided in the official Cub Scout Grand Prix Pinewood Derby Kit or approved BSA wheels will be allowed. The only non-kit approved wheels are the BSA black or colored wheels which have "BSA Pinewood Derby" written in raised letters on the outside of the wheel.
11. In 2009 there was a design change made to the official BSA wheels. Only wheels manufactured after 2009 may be used. Wheels may NOT be modified:
 - a. Wheels may not be altered in any way. The wheels must have the tread on the outer edge.

- b. No wheel modification can be made
 - 1. to the inner diameter or hub diameter;
 - 2. no lighting holes;
 - 3. no reduction to the diameter or the width of the wheels.

OTHER GUIDELINES

- 12. The car must be freewheeling and achieve motion through the effect of gravity only. Any design or device with the intent to transfer weight or induce speed is prohibited (e.g. inertial motors or ball bearings).
- 13. Enhancing items such as bearings, washers, bushings, springs, and hubcaps are prohibited.
- 14. Starting devices are not allowed; cars designed with protruding devices intended to provide a “head start” will not be approved.
- 15. No part of car can extend past the starting pin on the track.
- 16. Dry lubricants such as teflon powder, graphite, and graphite blends are allowed. No wet lubricants are allowed.

DECORATION GUIDELINES

- 17. Car decorations and theme must maintain BSA standards. Cars cannot display logos or designs featuring alcohol, tobacco, drugs, or other depictions not in keeping with the Boy Scout spirit.
- 18. “After market” or homemade details such as steering wheel, driver, fins, or scoops are permissible provided these details keep the car within the specifications listed above and are firmly attached to the car.

PACK PARTICIPATION

19. There will be two categories judged at the District PWD: speed and show. Each Pack may send to the District PWD one scout per rank in each category up to a maximum of 12 scouts (six in speed and six in show).
20. Participation in the PWD cost is \$10 per scout/per category. For example, if 1 car is participating in two categories, the cost is \$20.
21. Registration and payment will be available on the Flint River Council website.

GENERAL RACE FORMAT

22. The Pinewood Derby will be held in 2 race sessions. Individual races in each session are called heats. Four cars will race in each heat.
23. Race Sessions:
 - a. Session 1 - Arrow of Light, Webelos, and Bears
 - b. Session 2 – Wolves, Tigers, and Lions
24. Random race assignments will be generated by the racing computer program. Each car will race 1 time on each of the 4 lanes of the race track. Each car will race a total of 4 times.
25. All cars in each session will race head-to-head against all ranks in that session. The racing computer program will separate racers into their respective ranks at that the completion of each racing session.
26. At the completion of the heats, the racing computer program will throw out the slowest time for each car. The overall time and finishing orders will be calculated using the 3 fastest times for each car.

27. Awards for speed are based on cumulative time and not the finishing order of any specific heat.

AWARDS

28. Awards will be presented to the top 3 in each category for each rank (Top 3 Speed and Top 3 Best in Show). The awards for each rank will be awarded at the end of their assigned race session.
29. Two overall awards will be given: The FASTEST in the Coweta District and the BEST in SHOW for the Coweta District. The FASTEST in Coweta County speed trophy is awarded to the fastest car, regardless of rank or session raced. There will not be a grand finale race off.
30. Scouts are encouraged to attend, but do not need to be present to win. Awards not claimed at the event will be given to the respective Pack leader at the following District Roundtable.

WHEN

District Pinewood Derby will be held on Saturday April 30th.

Best in Show times and Racing Times to be announced

WHERE

Johnny Brown Gym at Temple Avenue Complex

39 Hospital Road - Newnan GA

REGISTRATION

www.flintrivercouncil.org

- Cost is \$10 per Scout per event.
- Please have Scouts wear their Field Uniform (Class A)

Additional Questions - David VanDyke; vandyke820@gmail.com or call/text 678-416-2659

