



BOY SCOUTS OF AMERICA®

MECKLENBURG COUNTY COUNCIL

2020 Mecklenburg County Council Pinewood Derby Championship at NASCAR Hall of Fame on March 21, 2020

Derby Car Show

I. The Scouts:

- A. Only those Cub Scouts who were registered and active Lions, Tigers, Wolves, Bears, Webelos and Arrow of Lights are allowed to enter the Council Championship Car Show.
- B. Each Pack can enter a maximum of eighteen cars.
- C. All entrants are required to wear their Class "A" Cub Scout BSA uniform on Car Show Day.
- D. All Pack entrants must be registered for the Council Championship Car Show and fees paid (if any are required) no later than 14 days before the Council Championship Car Show. Late entries will be accepted up to 7 days before Race Day with an additional late fee of \$20 per car.

II. Car specifications:

- A. **Pinewood Derby Kit:** Each entry shall be constructed from an **Official BSA Derby Car Kit** for the current year. A new car must be constructed for each year.
- B. **Pinewood Derby Car shall not use a synthetic body frame and body shell with wood inserts. Body shall be shaped from the wood block provided in Official BSA Derby Car Kit and be 95% wood. Cars not adhering to this rule will not be allowed to race.**
- C. **Car Overall Dimensions:** Each entry will be placed into a checking device. The overall length of the car shall not exceed 7 inches including accessories. The overall width of the car with axles/wheels installed shall not exceed 2 3/4 inches. The car must have a minimum of 1 3/4 inches of clearance between the wheels. The car must have a minimum of 3/8 inch clearance underneath the entire body so it does not rub on the track. The maximum height of the car shall not exceed 2 5/8 inches – this is not a typical specification but is important due to the limited clearance under the timing mechanism used at the finish line.
- D. **Car Weight:** The maximum weight of the car shall not exceed 5.0 ounces or 141.748 grams. The limit is strict 5 ounces with no "close enough" exceptions - the scale must read a maximum of 5.0 ounces or 141.748 grams. Given variability in scales, racers need to be aware that weighing to exactly 5 ounces on a different scale may result in over-weight at time of inspection and check-in, thus requiring weight to be removed or added to achieve 5 ounce maximum. If racers plan on adding weight at time of check-in, please be sure the weight is secured appropriately and any attached weights do not violate car specifications.
- E. **Car Body: The wood block provided with the kit must be used.** The block may be shaped any way that is desired. Note the track utilizes a launching mechanism that holds the car in pre-launch position at the center of the front of the car. No part of the front of the car will be allowed to extend past the starting pin and the full 7 inches of car shall be behind starting pin.
- F. **Car Wheels/Axles: All four Wheels/Axles that are supplied in the box must be used (NO aftermarket high performance Wheels/Axles will be allowed)** and attached to the sides of the car with two at front of the car and two at back of the car. The original shape of the wheels and axles must be maintained. The wheels may not be cut, machined, lathed, drilled, beveled or rounded. You may remove the seams and imperfections from the wheels. Tool marks and other

imperfections may be removed from the axles. Axles can be polished and lubricated with dry lubricant.

- G. **Car Wheel Position:** Racers can adjust axle fore/aft axle placement as long as wheels do not protrude past front/back of car body. Pre-cut axle slots in the raw block of wood do not have to be utilized. If custom slots/holes are created, remember 3/8 inch clearance specification must be maintained. It is not necessary that all 4 wheels be in contact with the track but bottom clearance specification between car and track of 3/8 inch must be maintained.
- H. Car shall not have any loose or moving parts.

III. Design/Show Category Explanation:

- A. **Most Patriotic:** A car that shows the most American colors/theme (Red,White & Blue), flags, etc.
- B. **Most Creative:** A car that shows the most imagination, futuristic or past history.
- C. **Best Sports Theme:** A car that show sports area – Football, Baseball, basketball, soccer, favorite team, mascots, etc.
- D. **Best Scout Theme:** A car that shows the Scout values, activities, Scout emblems, etc.
- E. **Judge's Choice:** A car that does not seem to fit in any category above but has high qualities in other areas. A car in a class of its own.

IV. Explanation of Car Show Judging Criteria (Scoring)

- A. **1 to 10 points per area listed below with 10 being the best.**
- B. **Original idea:** An idea unique and unusual.
- C. **Detail:** Careful thought taken in planning, design & building of the car – Attention to detail.
- D. **Boy Made:** A car that has the signs the boy made the car with little or no help from an adult.
- E. **Creative:** A car that took time to create and design. (Not a wedge)
- F. **Overall Appearance:** Careful workmanship and planning to create the overall appearance.
- G. **Maximum Points per car:** 50 points.

V. The Derby Car Show:

- A. **The car entered into the Derby Car Show must be built the year of the race season. NO REPEATS or REPAINTS allowed.**
- B. **Race Officials reserve the right to verify that the body of the race car is wood including drilling and/or removing paint.**
- C. **A complete car purchase from third party is not allowed.**
- D. Judges will take the knowledge if a Lion, Tiger, Wolf, Bear, Webelos or an Arrow of Light enters the car. Each car will be judged by 5 Judges (No Judge will judge his or her Pack's car(s)).
- E. After all points are turned in to the Head Judge and tallied and if there is a tie, the Judges will be called back to vote on their top car in the category with a tie.
- F. All entrants must be checked-in and impounded in pits within the allotted check-in period. No entrant will be accepted after Official Check-in period is closed.
- G. After a car goes thru Official Check-in and placed into impound in the pits, it cannot be touched by anyone other than Race Officials.
- H. Anyone touching or attempting to touch another shower's car without expressed permission of the car owner/shower and under supervision of Race Officials, will be asked to leave the show area. If this person is a shower, his car will be disqualified.
- I. No car will be allowed to be entered in the Derby Car Show unless the Cub Scout owning the car is present at the show. The Cub Scout showing the car must be the individual entering the car for inspection and official check-in.
- J. Any person displaying poor behavior, making negative comments or showing bad sportsmanship will be asked to leave race area. Parents need to remind Scouts the qualities of good sportsmanship.
- K. Decisions made by Race Officials and Judges shall be final.