

**TriTown Cub Scout Pack 13**  
**2022 Pinewood Derby**  
**February 26, 2022 Camp Hazen – Dining Hall 1-5pm**  
**Car Check-In 1pm: Races start at 1:30pm**



Cubs are encouraged to be creative and have FUN designing and building their car – they should do as much as they safely can with parental supervision (tools)

**2022 PINWOOD DERBY SPECIFICATIONS**

**NO PART OF THE CAR CAN BE AHEAD OF THE STARTING PIN**

**PAY SPECIAL ATTENTION TO ALL BUILD SPECS BELOW – WHEELBASE WILL BE CHECKED**

**We don't want to have to disqualify any cars**

- 1. WIDTH:** Overall width shall not exceed 2 ¾". If the car design you choose has a narrow body, make sure the area where the axles are inserted into the body remain within the racing specifications.
- 2. LENGTH:** Overall length shall not exceed 7".
- 3. HEIGHT:** Overall height shall not exceed 3½".
- 4. CLEARANCES:** Distance between the wheels shall not be less than 1 ¾". Clearance beneath the car shall be at least 3/8".
- 5. WEIGHT:** Weight shall not exceed 5 ounces or 141.75 grams. The car may be hollowed out or built up to the maximum weight by adding material. All material added to the car must be securely fastened to the car. No moving material or parts will be allowed.
- 6. WHEELBASE:** Wheelbase (distance between the axles from front to rear) will remain as the delivered dimension of 4 3/8" +/- 1/8". The original slots in the wood block may be filled and re-drilled to insure that they are square. But the original dimension must be maintained.
- 7. AXLES:** The axles provided in the Official BSA Pinewood Derby kit are the only axles that will be allowed.
- 8. WHEELS:** The wheels provided in the Official BSA Pinewood Derby kit are the ONLY wheels allowed. They are clearly marked as being BSA supplied. The ONLY alteration allowed to the wheels is to sand off the plastic casting ridge from the production mold. The markings on the front side of the wheel must remain clearly visible. All other alterations, including rounding of the tread area edge, tapering, grooving, ridging or adding material to the wheels is expressly prohibited.
- 9. ATTACHMENTS:** Wheel bearings, washers, bushings, or any such material that may act as a bushing or bearing is expressly prohibited. The car may not ride on any type of spring. The car must be free wheeling with no starting device of any kind.
- 10. DETAILS:** Detail attachments such as steering wheels, driver figure, decals, paint, pipes, etc., are permissible as long as these detail items are securely attached, and do not exceed the Racing Specifications for weight, length, height and width.
- 11. LUBRICATION:** Graphite powder or TEFLON powder. No liquid lubricants of any kind are allowed. TEFLON is available through BSA supply sources. (AMATO'S or Scout Shop).
- 12. INSPECTION:** Each car must pass an inspection by Event Committee Officials before it may compete. The inspectors have the right to disqualify those cars that do not meet the above specifications.\*
- 13. MASKS:** All Attendees will need to wear masks while in the building and respect our Host's Social Distancing & Safety Requests.

**\*All Cars will be checked in prior to races to make sure they meet all build specs – give yourself plenty of time if you need to make any adjustments before car is checked in and numbered for racing. For Check-In and All Races, decision of judges is final!**