



PIEDMONT COUNCIL
PINWOOD DERBY
CURRENT RULES AND REGULATIONS



- A. Entries for the Piedmont Council Pinewood Derby shall be determined by the district. Only those Cub Scouts who were registered and active Tiger, Cub or Webelos Scouts at the time of their pack race are allowed to enter the Council race. All participants, parents and spectators will be expected to display sportsmanship throughout the event.
- B. Each district will supply a maximum of **FIVE** entries.
1. **Entry should be constructed from an up-to-date B.S.A. Pinewood Derby Car Kit for the current year. A new car must be built for each year. All nine pieces must be used.** (Wood block, 4 nails & 4 wheels) Only official BSA purchased replacement parts are allowed.
 2. **Overall dimensions (length & width)** - Place car inside a checking device which is 2 & 3/4 inches by 7 inches. The original body of the car must touch the starting gate.
 3. **Wheel Base** - Place car in a checking device to verify distance between axles which is 4 & 3/16 inches plus or minus 1/2 inch (Measured center to center). Wheels cannot extend in front of the body of the car. The distance between the inside to the inside of the front and/or rear wheels must not be less than 1 & 3/4 inches. The distance between the track and any part of the underside of the car must not be less than 3/8 of an inch. The front of the body must make contact with the starting post at 3/8 in from the track center guide. No body shape is permissible to allow a start advantage.
 4. **Visual Inspection of the Wheels** - Wheels and axles **MUST** be the ones furnished in the BSA car kit, solid axles are not permitted. No non-BSA, outside vendor supplied axles or wheels are permitted. Replacement wheels and axles must be purchased from an official Scout Distributor. BSA Logo must remain as is on both the inside and outside of the wheels. Axles may be polished and lubricated (graphite or B.S.A. Axle Lube only). Wheels may be sanded to provide a true round circle but must retain the original width, diameter, tread thickness and flat rolling surface. No purposely thinned, rounded wheels allowed. No "H" or "A" wheels. No attachments or adhesives will be allowed on the surfaces of a wheel. Wheels will be placed on a flat surface to verify that the entire width of all four wheels make simultaneous contact with the flat surface. Regardless of what they could be made out of, spacer bearings, washers, bushings or springs are prohibited, whether fixed or movable. No device may be used as to render the axles as a solid unit.
 5. **Weight** - Entry will not exceed 5 ounces or 141.745 grams. Weight must be securely fixed to the car, that is non-movable. Race scales at the event are official.
- C. It is accepted that unit and district winners can be determined in double elimination fashion. One loss is determined by an entry losing on **both** sides of the track. In the case of a dead heat (that is, one car wins on one side and one on the other or the judges are unable to determine a winner), the same two cars will race each other again, switching lanes as the first time. Should a second dead heat occur, the same two cars will have a third heat. If no winner is determined in the third heat, then the cars will be rematched with other cars, unless it is the last race in a group in which case racing will have to continue until a winner is determined. Timed races are also permitted and will be the method used at the Council PWD Event.
- D. After an entry has been officially weighed in and registered, a small sticker with a number will be placed on the car. From this point on **NO ADDITIONAL WORK OR REPAIRS WILL BE PERMITTED WITHOUT THE CONSENT OF THE INSPECTION COMMITTEE.** (This includes lubrication, loose wheels and axles, etc.) Cars discovered to be in violation of race rules during the race event are subject to disqualification.
- E. No car will be allowed to enter unless the Cub Scout owning the car is present at the race.
- F. A Cub Scout will be allowed 15 seconds to place his car on the starting line and/or pick up from the finish line if he so desires.
- G. Decisions made by the judges are final.
- H. Use of the Official BSA Pinewood Derby Axle Guard is permitted. However no car will be allowed to enter with a closed hub or totally enclosed axle (nail on wheel). Axles will need to be secured in pre-cut slots with clear glue (if glue is used) or if the axles are inserted in holes in the side of the car, then removed by the Cub Scout and parent to verify that axles are not solid. Holes may be drilled in the bottom of the car so the **points** of axles (nails) **can be seen**. All Axle (nail) points must be in view before a Cub Scout can enter the race. If BSA Axle Guard is used racers should drill a visible hole so judges will know there is no solid axle.