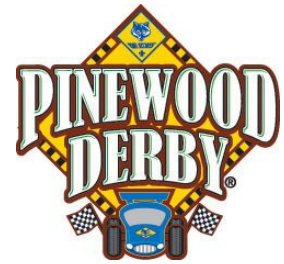




# Sapona District

Central North Carolina Council  
Boy Scouts of America  
[www.saponadistrictbsa.com/pinewood-derby](http://www.saponadistrictbsa.com/pinewood-derby)



## Sapona District Pinewood Derby Rules and Regulations



1. Only those Cub Scouts who are BSA registered Tiger, Wolf, Bear or first year Webelos Cub Scouts (4<sup>th</sup> grade) are allowed to enter the District Race.
2. 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. The car must be free rolling. No starting devices are allowed. **"Hobby Lobby" kit wheels & axles are not permitted.**
3. Overall dimensions (length & width) - Place car inside a checking device, which is 2 & 3/4 inches wide by 7 inches long. The car must not be greater than 2 & 3/4 inches wide (including wheels) by 7 inches long (including accessories). The original body (wood block) of the car must touch the starting gate (pin). No part of the car can extend in front of the starting gate (pin).
4. Wheel Base - Place car over a checking device 1 & 3/4 inches wide by 7 inches long by 3/8 inches high. The distance (width) between the wheels (front or rear) must not be less than 1 & 3/4 inches (measured from the innermost part of the wheels). The distance between the track and any part of the underside of the car must not be less than 3/8 of an inch. Wheels cannot extend in front or rear of the body of the car.
5. Visual Inspection of the Wheels - Wheels and axles **MUST** be the ones furnished in a BSA Pinewood Derby car kit or purchased at a BSA Scout Shop. **Solid axles are not permitted.** Holes drilled into the wheels are not permitted. Replacement wheels and axles must be from an official BSA Pinewood Derby kit or purchased at a BSA Scout Shop. Axles may be polished and lubricated (dry lubricant only). Wheels may be sanded to provide a true round circle but must retain the original width and flat rolling surface. No purposely rounded wheels allowed. No "H" or "A" type 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 at least 3 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 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 (guardian) 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. Axle (nail) points must be in view before the Cub Scout can enter the race.
6. Weight - Entry will not exceed 5 ounces or 141.745 grams. Weight must be securely fixed to the car that is non-movable. The readings of the official Race Scale will be final. Due to health reasons, Mercury may not be used to increase weight.
7. 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.)
8. No car will be allowed to enter unless the Cub Scout owning the car is present.
9. Only Race Officials and Boys who are picking up their cars will be permitted in the race area.
10. **Decisions made by the Race Officials are final.**

