

BSA INLAND NORTHWEST – BIG FOOT DISTRICT PINWOOD DERBY RULES

The Pinewood Derby's intent is to strengthen the relationship between the Cub and Parent by the introduction of a construction project requiring planning, designing, and building techniques.

The success of the project is the construction of the car itself, NOT in the resulting races.

The race will determine the fastest car in the fairest setting, but will not necessarily reflect the most successful project.

As the construction of the car strengthens a Cub's relationship with his parent(s), the race strengthens the Cub's character by accepting winning and losing gracefully.

The Pinewood Derby race should be an enjoyable – and FUN – FAMILY EXPERIENCE for all those participating.

ALL CARS MUST PASS THE FOLLOWING INSPECTION TO QUALIFY FOR THE RACE:

- 1. All cars must be built from the official Boy Scouts of America kit #17006.**
 - a) All functional racing parts (i.e. wheels and axles) shall be only from those items provided in the kit.
 - Two exceptions: May use the optional official BSA colored wheels and "The Wedge" Body #614417.
 - b) "Pre-cut", "Pine-car" and other pre-finished cars are not allowed and are subject to immediate disqualification, even though such cars may meet the following requirements.
- 2. Width shall not exceed 3 inches (including Wheels).** previously 2 ¾.
- 3. Inside Wheel Width should be 1-11/16 inches.**
- 4. Height shall not exceed 4 inches.** Previously 3 inches.
- 5. Length shall not exceed 7 inches.**
- 6. Total weight of the car shall not exceed five (5) ounces.**
 - a) No loose materials of any kind are permitted in the car.
 - b) The car may be hollowed out and built up to the maximum weight by the addition of wood, plastic, or metal only, provided it is securely built into/onto the body.
- 7. The pre-drilled axle insertion grooves located on the body of the car shall not be moved from their original locations found on the rough-cut block of wood in the kit.**
 - a) They may be straightened, but the wheel base may not change.
 - b) The car cannot have holes drilled for the axles.
 - c) Make sure you have the proper ¼ inch vertical minimum clearance above the lane strip.
- 8. Wheel bearings, washers, bushings and wheel coverings are prohibited.**
- 9. No lubricating oils may be used.**
 - a) Axles may be lubricated with powdered lubricant only (Dry Graphite), PRIOR to the first race.
- 10. The car shall not ride on any type of spring or motor.**
- 11. The car must be freewheeling, with no starting device.**
- 12. Wheels must have 90% or better of original tread surface on the track.**
- 13. All wheels must make contact with the surface of the track.**
- 14. No loose materials of any kind are allowed on the car.**
 - a) Ornamental design features are permitted provided they are permanently attached to the body of the car.
- 15. Cars are to be constructed each year to be eligible to race in that year's event.**
 - a) Cars constructed and raced in previous years' events are NOT eligible for current race events.
- 16. The top four (4) cars from each Pack are eligible and encouraged to compete at the District Pinewood Derby race. Date and time to be announced in the district newsletter and separate flyer. On the same day there will be a Nostalgia race for racing cars from previous years and cars not meeting the official specifications above.**
- 17. All Cub Scouts in Big Foot District Packs are eligible to race.**

ANY VIOLATIONS OF THE ABOVE LISTED RULES CAN RESULT IN DISQUALIFICATION.

If you have any questions, problems, or concerns regarding the Big Foot District Pinewood Derby race or the construction of the cars please contact Larry Ross at 710-5792 or trop439@comcast.net or Mark DesRosiers at manofroses55@gmail.com.