

Pack 246

2012 PINEWOOD DERBY RULES

SPEED RACE RULES.

1. Each boy should build his car with adult supervision. Adults should not build cars while boys watch.
2. Each car should be built new this scouting season, from new materials. Please do not recycle last year's fast car, best wheels, etc.
3. Maximum width including tires and axles must not exceed 2 3/4".
4. Minimum width of the body at the axles should be 1 3/4".
5. Maximum length must not exceed 7".
6. Most Pinewood Derby Tracks have a 1/4" high guide rail. Bottom clearance must be minimum 3/8", to avoid dragging on this rail. Low hanging weights will often drag on the track.*
7. Maximum overall height of the car may not exceed 4".
8. The wheelbase (distance between the axles) must not exceed the distance between the precut axle slots on the standard pinewood block, i.e. 4 3/8".
9. The car may not exceed 5 ounces as determined by the scale at the race.**
10. Axles and wheels must be official BSA equipment. The body must be designed from official Gran Prix Pinewood Derby kit. (No preformed bodies like "Pinecar" brand)
11. The wheels may be lightly sanded or polished to remove bumps and blemishes. They must not be ground down, grooved, hollowed out, carved, cut, shaved or otherwise redesigned. Original ridges must still be visible.
12. The wheels should be lubricated with graphite or powdered silicone. Oil and other liquid lubricants are prohibited.
13. Wheel bearings, washers, and bushings are prohibited.
14. The car must not ride on any kind of springs or suspension system, other than a suspension system that is actually carved from the pinewood block.
15. Loose materials are not allowed on the cars during the race.
16. No Liquid weights are allowed.

DESIGN CAR RULES

There are 6 categories. This should allow you to encourage and reward modeling skills. Remember: we should be rewarding the boys' modeling skills, not the parents' skills!

DESIGN CAR CATEGORIES

- | | |
|---------------------------|--------------|
| 1. Most Authentic Vehicle | 4. Animal |
| 2. Food | 5. Nautical |
| 3. Scout Theme | 6. Patriotic |

Note: We will also run a separate "Open Class" race for cars that parents or siblings make, or which otherwise don't conform to the above rules.

***Note:** If a car has an extremely pointed or high front end, some electronic race timers may not accurately determine the winner of a race. Our new track this year uses optical timers, so please understand if we have to re-race some cars because of designs that might impact the timing system.

****Hint:** Use 6 small and 6 large thumbtacks as part of your cars weight. Mount them to the bottom of your car. You can easily remove or add them at the race to reach exactly 5 ounces.

