

PACK 326 OFFICIAL RULES FOR THE PINWOOD DERBY

1. A new car must be constructed (cars or components from previous years are not allowed).
2. All cars must be made from the Official Cub Scout Pinewood Derby Kit. This kit includes a block of wood, 4 plastic wheels and 4 axle nails. If for some reason a component of the kit is damaged during construction, replacement parts must be **BSA approved**.
3. **Totally pre-cut pre-shaped cars are not allowed!!!** (See rule #2)
4. The wheelbase (distance between axles and their location) may not be modified. It must remain the same as on the official kit.
5. The car width at the wheels may not be modified. It must remain the same as on the official kit. The body may be shaped, hollowed out, or built up from the original block of wood furnished **as long as it meets all other specifications**. The width of the car shall not exceed 2.75 inches and the overall length shall not exceed 7 inches.
6. The underside of the car should keep its original shape, or friction against the track may slow down the car. If attaching weights to the underside of the car, **chisel deep enough so the weights do not protrude and hit the track**.
7. Wheels must remain as furnished in the official kit. Wheels must be sanded (if wheels have ridge down the middle or side edge) so they rest flat on the racing surface. **Reductions in width or diameter, or changes in shape are not allowed. Wheels with a taper to the inside, outside or down the middle are not allowed.**
8. Wheel bearings, washers, springs or bushings are prohibited.
9. **The weight shall not exceed 5 ounces. THE OFFICIAL SCALE IS THE PACK SCALE.**
10. The car must be freewheeling. Starting devices, moveable weights and/or stored energy are not allowed.
11. Add-ons (drivers, fender flares, windshields, decals etc.) are permitted provided all other criteria are met. All add-ons must be securely fastened to the car, i.e. no loose parts.
12. Axles may be lubricated with **powdered graphite only**. No oils allowed. **Past experience has proven that graphite does not always produce a winner.**

SCOUT PARTICIPATION

The parent should not do most of or all of the work to finish the car. We realize that some tools, especially power tools, are dangerous and we would not expect a boy to operate them. Safety should be high priority for this project. Some boys will need more help than others, but ask yourself these questions:

1. Did you spend time together talking about design, color and building of the car?
2. Did you let the scout do everything he was capable of doing?
3. Did the scout have a positive learning experience?
4. Is there enough of the scout's labor and love in the car ... does he feel it is **his** car?

If you answered "yes" to these questions, then job well-done. The pinewood derby is a success regardless of the outcome.