



2024 Official Pintwood Derby Rules and Regulations

The goal of the Pinewood Derby is for parents to help the Scouts learn how to use basic tools and execute their own design! Parents should *help* but are reminded that the real value of the Pinewood Derby isn't in the trophy but the experience. BUUUUTTTTT...for the Pintwood Derby, it is for the adults to get down to business and make their best car and race it to see if they are the fastest; well, and to support Scouting along the way, while enjoying a beer! Upon registration, a representative from the Boy Scouts will contact you about pick up/delivery of your car kit. A kit comes with your event registration.

The 2024 Pintwood Derby will have regular racing (following the rules below) and an open class which means pretty much anything short of a motor or something that will damage the track is good to go. You will select your class when you check your car in at the derby!

PARTS AND MATERIALS: Official pinewood derby car weights and other optional accessories and kits may be purchase from Boy Scouts of America approved distributors, the Sagamore Council Service Center, Cary Camp Trading Post, or www.scoutstuff.org.

WIDTH: Maximum overall width allowable, including wheels, is 2 $\frac{3}{4}$ inches.

LENGTH: Maximum overall length allowable is 7 inches. No portion of the car will be allowed to extend forward of the starting gate.

CLEARANCE: Minimum clearance under the body is $\frac{3}{8}$ of an inch. Minimum clearance between the inside of the wheels is 1 $\frac{3}{4}$ inches.

WEIGHT: Weight cannot exceed 5.00 oz (141.75 grams). The car may be hollowed out and built up to the maximum weight by additional wood, metal or any other material, provided they are securely attached to the body and chassis. No loose material of any kind is permitted in or on the car including, but not limited to, liquids. Materials that could potentially be health hazards are not permissible to be used as weight. Lead is permissible for weight provided that it is completely enclosed within the body of the car.

MATERIAL: The car body, wheels, and axles must be from the official pinewood derby car kit (BSA Part #17006). The car may not ride on any type of springs. Details such as decals, pin stripes, cockpit accessories and interior detailing are permissible as long as the car does not exceed the maximum weight and they are BSA standard products. Plastic and metal detail parts are allowed as long as they are securely attached to the body and chassis and do not exceed the maximum length, width, and height.

WHEELS: Wheels must be from the official pinewoods derby car kit (BSA Part #17006_ or from the new optional colored Cub Scout derby wheels and axle kit (BSA Parts #17553, 17554, 17556 and 17557) and maybe polished using files, sandpaper, etc, or by using the pinewood derby high performance kit (BSA Part #16988) to remove burrs, scratches, and ridges. They may not be shaved or reduced in diameter or width. Wheels may not be beveled, tapered or in any other

fashion modified from the original size and shape. Wheels may not be painted. Wheel covers, bearings, washers, and bushings are strictly prohibited.

AXLES: The axles (round head nails) must be from the official pinewood derby car kit (BSA Part #17006) or from the new optional colored Cub Scouts derby wheels and axles kit (BSA Parts #17553, 17554, 17555, 17556, and 17557) and may be polished using files, sandpaper, etc. or by using the pinewood derby high performance kit (BSA Part #16988) to remove burrs, scratches and ridges. The axles may not be machined or reduced in diameter anywhere along the axle shaft. Substituted axles will not be permitted.

LUBRICATION: Pinewood derby axle lube (BSA Part #17106) and graphite are the ONLY permissible lubrication. All other forms of lubricant (oils, etc.) are strictly prohibited. Any lubrication on exposed surfaces of the wheels, body or chassis is prohibited. Lubricant, if used, must be applied prior to inspection and registration of the car. No lubrication is permitted after registration or during the derby.

INSPECTION: The car must meet weight, clearance, and size limitations as stated above and use only the materials specified in the parts and materials sections above. A repair table may be made available to adjust prior to registration. A car with illegal parts may have them replaced and will be allowed to participate in the race with only legal parts. Any car using illegal lubricants will not be allowed to participate.

DISQUALIFICATION: Per the judge(s) or race official(s), a car or scout will be disqualified and not allowed to race if any of the following occur:

1. Any use of improper material as outlined above, including, but not limited to: lubricant, wheels, axles or body wood.
2. Changing the car after registration, except for authorized repairs.
3. Removing the registration sticker from the car.
4. Handling any car without permission of the judges or race official(s).
5. Not following the instruction of the judge(s) or race official(s).
6. Not following any other rule specified for the pinewood derby.

THE DECISIONS OF THE JUDGE(S) AND/OR RACE OFFICIAL(S) ARE FINAL.

See you at the races! Should you have questions, do not hesitate to contact Bryon.Havestick@Scouting.org.