



Official Pinewood Derby Rules

(Rules from Scouting America and the BSA Pinewood Derby Kit)

All cars must pass the following inspection to qualify for racing at the Panther District Pinewood Derby:

Pinewood Derby Car Dimension Rules

- The overall length of the car shall not exceed 7 inches
- The overall width shall not exceed 2-3/4 inches.
- The car must have 1-3/4 inch clearance between the wheels
- The car must have 3/8 inch clearance underneath the bod so it does not rub on the track

Pinewood Derby Car Weight Rules

- The car may not exceed 5 ounces.
- The official Pinewood Derby race scale that is used at car check-in shall be considered final

Pinewood Derby Car Build Rules

- Pinewood Derby Cars must be made with either the Official Pinewood Derby Car Kit (block kit) or an Official Pre-Cut Pinewood Derby Car with separately purchased Pinewood Derby Wheels and Axels.
- The Official Pinewood Derby Car Kit (block kit) may be shaped in any way that is desired
- Non BSA wheels, wheel bearings, washers, and bushings are prohibited.
- BSA wheels may not be cut, drilled, beveled or rounded.
- Axels may be altered, polished and lubricated
- No lubricating oil may be used. Axles may be lubricated with powdered graphite or silicone.
- The car shall not ride on any kind of spring.
- The car must be free-wheeling, with no starting devices.
- No loose materials of any kind are allowed on or in the car.

Other Pinewood Derby Car Rules

- Once a car passes inspection and is entered into the race, only race Committee Members can touch it
- If the car loses a wheel, or is otherwise damaged, the racer shall have 5 minutes to make any repairs, no modifications to the car will be allowed
- Each car must pass inspection by the Official Inspection Committee before it will be allowed to compete
- The Official Inspection Committee has the responsibility to disqualify those cars that do not meet the rules for the race
- All cars will be returned to the racers at the completion of the Grand Prix Race. No exceptions.