



District Official Pinewood Derby Rules

(Must also follow all rules from BSA Pinewood Derby Kit and all other official BSA rules)

Eligibility – Registration

All Cub Scouts winning their Den race are eligible to race at Districts in their Den race. All other Cub Scouts, parents, grandparents, friends, and all others are welcomed and encouraged to race in our Outlaw Class.

7 Divisions

Lion

Tiger

Wolf

Bear

Webelos I

Webelos II

Outlaw Class

Scouts may enter more than 1 car and put it in the Outlaw Class.

Car Rules

Overall length of the car shall not exceed 7 inches.

Overall width of the car shall not exceed 2 ¾ inches.

Car must have 1 ¾" clearance between the wheels.

Car must have 3/8" clearance underneath the body so it does not rub on the track.

Wheelbase is 4 3/8 inches from center of front axle to center of back axle.

Wheels must be directly across from one another.

Axle holes may be drilled into body of car as long as the specs are met.

Official pinewood block must be used.

The block may be shaped in any way that is desired.

Car shall not exceed 5.0 ounces.

Official race scale that is used at car check-in shall be considered final.

Any Official BSA Wheels are allowed all markings must be intact on wheel.

Axles may be altered, polished and lubricated but must be steel.

No liquid lubricants.

Outer wheel surface may be sanded, shaved, lathed or polished to remove any imperfections, true roundness, remove mold castings and burrs, but must not be reshaped in any way to minimize tread contact or alter aerodynamics. The small

detailed fluting on the outside edge of the wheel must remain visible around the entire circumference.

Car Modifications Not Allowed

Previous years cars may not be used unless you are racing in Outlaw Class
Magnets, springs or suspension systems of any type.
Starting devices, finish line devices, propellants, or propulsion systems
Wet paint, or Sticky substances
Glass or excessively fragile parts
Bearings
No use of Guide Pins or such devices
Axles and wheels attached to any device that mechanically alters rotation or spin.

Other Pinewood Derby Race 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 repairs. 2nd malfunction will result in disqualification.
Regardless of damage incurred, no re-lubing of car is allowed at anytime.
Each car must pass inspection by the official inspection committee before it will be allowed to compete.
The Inspection Committee has the responsibility to disqualify those cars that do not meet these rules.

OUTLAW CLASS RULES

Overall length of the car shall not exceed 7 inches.
Overall width of the car shall not exceed $2 \frac{3}{4}$ inches.
Car must have $1 \frac{3}{4}$ " clearance between the wheels.
Car must have $\frac{3}{8}$ " clearance underneath the body so it does not rub on the track.
Wheelbase is $4 \frac{3}{8}$ inches from center of front axle to center of back axle.
Wheels must be directly across from one another.
Axle holes may be drilled into body of car as long as the specs are met.
The official pinewood block must be used.
Car shall not exceed 5.0 ounces.
Official race scale that is used at car check-in shall be considered final.

Car Modifications Not Allowed

Wet paint, or Sticky substances
Starting devices, finish line devices, propellants, or propulsion systems