

Northeast Illinois Council Championship Pinewood Derby Rules and Regulations – 2020

Materials: The car must be constructed from wood, wheels and axels supplied in the BSA Pinewood Derby Car Kit. Substitution or use of other material is not allowed.

1. Wheels:

- Only wheels supplied in BSA kits.
- Legal wheels will be molded with “BSA” on the outside.
- Wheels shall not be sanded, shaped, polished, ground, milled or machined.
- Rounding or reducing tread area to minimize contact is prohibited
- All four wheels must be attached to the car axles
- Wheel bearings, washers and bushings are prohibited



2. Axles:

- Only Axles supplied in the BSA kits may be used.
- Hobby/Hardware store (etc.) purchased solid axles are forbidden
- Polishing and removing burrs/crimps from the axles is allowed
- Nail (Axle) points must be visible.
- Axle slots can be altered only if found not be at right angles to the car body
- Axle slots are to be used for the placement of the axles.
- Axles slots are 7/8 inches and 1 and 3/4 respectively from the end of the body.
- Ensure area that width between wheels remains 1 and 3/4 inches wide or wheels will no fit over guide strips of track.

3. Weight:

- 5.0 oz is the maximum allowable car weight.
- Stationary weights including store purchased weights may be embedded inside the car or attached to the outside.
- A scale will be provided to fine tune the car weight prior to registration

4. Lubrication:

- Dry graphite lubrication (e.g. Hob-e-lube) may be added to the axles and wheels prior to registration
- No other lubricants are allowed
- Liquid lubricants are forbidden

5. Dimensions:

- Maximum length – 7 inches
- Maximum Width – 2 and 3/4 inches. Car attachments, add-ons, weights, and decorations must not exceed the dimensions of 2 and 3/4 inches
- Wheel Dimensions: Wheel base must be 4 and 3/8 inches and wheels must not contact other cars
- In order to avoid raised lane keeper's minimum clearance between car bottom and track is 3/8"
- Ensure area width between wheels remains 1 and 3/4 inches wide or wheels will not fit over guide strips of track

6. Decorations:

- Decals, store purchased add-ons, and other decorations can be to the car provided they are securely fastened.
- No loose material will be allowed
- Dimension requirements must be followed.

Registration/Race Procedures:

Cubscouts must register for Northeast Illinois Council Championship Pinewood Derby prior to races. Registration closes two-days before the races.

Cubscout/car owner must be present to race.

All cars will be inspected, measured and weighed in the days prior to the race. Cars failing inspection will be returned to the owner for correction and subsequent re-inspection. All cars must pass inspection and be registered to race.

After successful inspection cars will be registered and impounded. Once registered only a limited number of race officials will be allowed to handle the cars. Scouts/parents will not be allowed to handle cars after registration.

During racing, cars that jump the track will be allowed to rerun the heat once. Exception to this rule is when track debris causes this problem. During racing, any car found not to comply with guideline may be disqualified by race officials.

Cars will race against computer measured time. Cars will run in four different heats, and will run once in all four lanes. Car with the lowest four heat average is the winner.

Prizes or Trophies will be awarded to the top three winners at every level, based upon four-heat average time.

Cubscouts will have fun