**2023 Long Beach Area Council**
**Pinewood Derby**
**Official Rules**

Car Body (the wooden structure that holds the weight, axles, and other add-ons)

**Total Car Dimensions**
Wheel Base: Any as long as wheels do not exceed the 7" total length requirement
Total Car Height: Not to exceed 3 inches
Total Car Length: Not to exceed 7 inches
Total Car BODY Width: Not to exceed 2-3/4 inches
Total Car Weight: Not to exceed 143.0 grams on a 1/10$^{th}$ scale

Wood must be used to construct your own car body and/or frame. Additional materials may be added as long as they meet the rules.

Four axles and wheels must be installed to the side of the car body directly across from one another

- No more than a 10-degree angle
- Fenders are ok to use

Track center rail height: ¼ inch (7mm)
Track center rail width: 1-5/8 inches (4.2cm)

Wheels must clear the outside to outside center rail width measurement
Wheels must be BSA stock wheels and axles

**Axles**

a) Axles used must be supplied from the box
b) Minimum diameter .084
c) Maximum diameter .089
d) Modifications to the axles are allowed

**Wheels**

a) No wheel modifications are allowed
b) Bore prep is allowed
c) Cannot be lathes, sanded or modified in any way
d) Modified or lightened wheels are easy to recognize and will be disqualified at any time before, during or after the race

**Lube**

a) Oil or dry type lubrication is allowed
b) No excessive lubing that sheds to track surface

**The following modifications are NOT allowed**

a) Starting or finish line devices
b) Electronic or lighting devices
c) Glass or extremely fragile parts
d) Paint that is wet, smudges, or extremely sticky
e) Bearing and/or bushings
f) Sharp objects, sandpaper, or abrasives on the bottom of the car (we do not want any damage to the rubber stopping pads)
g) Axles and/or wheels attached to any device that mechanically or alters rotation and spin
h) Any part of the car to go beyond the starting peg
i) Propellants