

Cub Scout Pack

<http://wotamalo.org/pack73>

Pinewood Derby Rules Summary

For your convenience this is a summation of the Wotamalo District Pinewood Derby Rules/Details for car construction.

You may download the entire rules pamphlet from; www.wotamalo.wdboyce.org

Material: Your scout's car must be constructed from the "Official Grand Prix Pinewood Derby Kit" that you receive at the December Pack Meeting or from the Scout Service Center, 614 N.E. Madison, Peoria, IL.

Material: Race cars may weigh no more than five (5) ounces (total weight) as determined on the official scales during the race inspection.

Wheels and Axles: Wheels and axles must be from the "the kit" and must be obvious to the inspection judge that they are from "the kit". The words "Official B.S.A. Made in U.S.A." and other lettering shall remain intact and clearly visible to the inspector.

Size: Length: 7" maximum length
Width: 2-3/4" maximum width
Height: 3" maximum height

Underside Clearance of at least 3/8" and inside wheel to wheel clearance of at least 1-3/4" is recommended, so that the car will run on the racetrack.

Weights and Attachment: Weight may be securely added to the car and will be considered part of the car for purposes of all measurements. "Weight" is considered any material not provided in "the kit".

Lubricants: Lubricants must be dry at the time of inspection and racing. Lubrication (if used) **must be applied prior to arriving at the school**. There **will not** be an opportunity to apply lubrication at the school.

Once your scout's car has been inspected it will be placed on the staging table. From this point on only the scout may pick up his car for purposes of racing and minor repairs. After each race the scout will return his car to the staging table.

Please allow your scout to enjoy the process of building his own Pinewood Derby Car, with adult supervision, as much as possible.

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Race Format:

- Race Schedule is randomly generated by the race management software
- Each scout will race 6 times
- Each scout will race in all 6 lanes

Awards:

- Den Awards (Den 1, Den 2, Den 3, Den 4, Den 5, Den 6, Den 7, Den 8, Den 10)
 - 1st, 2nd, and 3rd Place
- Rank Awards (Tiger, Wolf, Bear, Webelos I, Webelos II)
 - Best of Show
- Pack Awards
 - 1st, 2nd, and 3rd Place
 - Best of Show
 - Most Unusual
 - This is an optional second car that will not be raced and has no design limitations

Scoring Method:

- Cars are Scored by Time **NOT** Place in Heat
- Time is Averaged from *All Races
- *Each Scouts Slowest Time is Excluded from Their Average
- TieBreakers are calculated by the Race Management Software using the following criteria
 1. Total Points, based upon finish order - Points are awarded to each racer based on how they finished in the heat (1pt=1st, 2pts=2nd, and so on). The racer with the least number of points will win this tiebreaker.
 2. Best results against Common Opponents - Each of the tied racer's total time against their common opponents are compared.
 3. Strength of Schedule - A racer going against stiffer competition will win the tiebreaker. Total times for each tied racer's opponents are compared. This tiebreaker will not work if every racer races every other racer in that group.

Car Repair: If, during the race, a wheel falls off or the car becomes otherwise damaged, then the SCOUT may to the best of his ability perform repairs. The SCOUT may seek advice for repairing the car, but may receive no other assistance. If a car is damaged due to track fault or due to fault of another car or SCOUT, then the track chairman, at his sole discretion, may allow additional repair assistance Pit Bosses

Race Officials: Competitors and spectators **MUST** follow the direction of the race officials at all times