



Pinewood Derby Rules

Cub Scout Pack 49

Denison, Iowa

Participation

Open to all Tiger Cubs, Cub Scouts, and WEBELOS. You must be present to race! Open class (leaders, parents, former scouts, etc.) may be available if enough interest. The scout should have active participation in the building of the car. This is not an adult only project. Do Your Best!

*****SCOUTING ENCOURAGES GOOD SPORTSMANSHIP!*****

Inspection and Impound

Cars will be inspected during registration for compliance to the specifications as listed below. Once the car is inspected and meets compliance, it will be impounded. Minimal minor repairs will be allowed after being impounded, should something occur during the race.

NO LUBRICANTS MAY BE USED ONCE THE CAR IS IMPOUNDED!

Specifications

Body: The body must be made of the Official BSA Pinewood Derby Kit as supplied. Bodies made of other materials may be disqualified. The body may be shaped, hollowed out, or built up from the original block, as long as it meets all other specifications. Any additions to the car must be firmly attached.

Width: The car width at the wheels may not be modified it must be the same as the original kit. Width must not exceed 2 $\frac{3}{4}$ ".

Length: Overall length may not exceed 7".

Wheelbase: Wheelbase (side to side) may not be modified it must be the same as the original kit. Otherwise the car may not fit on the track / wheel guides. However, the front to back wheelbase may be altered.

Wheels: Wheels and axles must be as furnished in the kit. No washers, bushings, bearings, or springs are allowed. Wheels may be sanded to remove burrs or flashing. No reduction of width, diameter, or shape is allowed. The car does not have to have 4 wheels but a center mounted wheel will not fit on the track, thus making the car jump the track, in this case the car will be disqualified.

Weight: The weight of the race-ready car must not exceed five (5) ounces as measured on the official race scale.

Other: Cars must free wheel with no stored energy or movable weights. There is no designated front or back to the supplied body, either end may be the front.

Other Rules

Racers will be divided into Tiger, Wolf, Bear, and WEBELOS divisions. Each den will race off to the top three in each den. In the case of multiple dens of the same age/rank group, the top two (2) from each den will race off to determine the winner for the age/rank group.

Each car will race a minimum of three times. Usually four cars will race together. Points will be awarded for finishing as follows, 1st = 4 points, 2nd = 3 points, 3rd = 2 points, 4th = 1 point. After all the cars in a den have raced all three times, the points will be added up, and the three highest totals will be awarded medals. The top finisher in each division (Tiger, Wolf, Bear, and WEBELOS) will race in the final race off to determine the best in the pack and the trophy winners. Top four cars are eligible to race at the District Pinewood Derby.

Trophies will also be awarded for: Best Workmanship, Best Paint, Best Detail, and Most Unique Design.