

PACK 305 Pinewood Derby

Pinewood Derby Rules

Cars must be made from one official Cub Scout pinewood derby car kit. You can cut the wood into multiple pieces and assemble it in any configuration you want, and add decorative components, as long as it meets the size and weight requirements.

Scouts cannot race a car that has previously been entered in a Pinewood Derby Race. (Tag-a-longs and adults may race previously raced cars in their division.)

The car shall be no longer than 7" at its longest points and no more than 2 $\frac{3}{4}$ " wide at its widest points. Minimum distance between wheels is 1- $\frac{3}{4}$ " (side to side). Car clearance should be at least $\frac{3}{8}$ " to clear the guide rail.

The car shall weigh no more than 5 Ounces (Weight is rounded eg. 5.049 = 5.0 OK, 5.05 = 5.1 Not OK) It can weigh less. Use lead or metal weights to get your car up to weight. Weights must be securely attached. Weights and glue guns will be available at weigh-in.

No loose or moving materials (except the wheels) of any kind are allowed on the car, external or internal.

The car cannot have any type of starting device or assistance of any kind.

Only standard Pinewood Derby wheels are permitted. No wheel bearings, bushings, hubcaps or washers of any kind are permitted. Wheels must be flat. "V" shaped wheels are not permitted. Wheels may not be narrowed. Wheels can be sanded to remove the flashing around the edges.

Only standard Pinewood Derby axles are permitted. Wheels must be mounted on the axles provided with the kit. Axles can be polished and filed to improve performance.

The cars shall not ride on any type of suspension.

Dry powdered graphite is the only lubricant allowed. Graphite will be available at weigh-in if you need it. Scouts lubricate their own wheels. Assistance will be available for Scouts requesting it. Wheels must be thoroughly lubricated for good performance, so don't be afraid to ask for help if you're not sure.

Mark your name and rank clearly on the bottom of your car. If your car is an unusual shape, indicate the front on the bottom as well.

The forward most point of the car must be the point against the starting pin at the start of the race. If the car's design does not permit this, it will be disqualified.

Each car must pass inspection to qualify to race. The Pinewood Derby Chairman will be the final rule interpreter and decision maker.

Note: The adult division is an "unlimited" division. The only restrictions that apply above are that the car must be made from an official Cub Scout Pinewood Derby car kit, it must fit on the track, and the only lubricant allowed is powdered graphite.