

PINEWOOD DERBY RULES PACK 161

Race date: March 6, 2010 Check-in: March 5, 2010

Each scout should experience the satisfaction of building his own car from the pinewood derby kit. Parental assistance is encouraged and safety is the first concern, but the car should be the product of the scout and not the adult. The cars should be built in concert with the skills of the participant. Good sportsmanship is expected from everyone involved.

Only newly built cars are allowed (previously raced cars are excluded). They need to be the official scout kit.

The wheels, axles and body from the official Cub Scout Pinewood Derby Kit must be used in the construction of the car. Wheels may not be modified beyond light sanding. The wheels may not be narrowed, grooved, crowned or significantly altered. They must be the wheels and axles (nails) provided in the kit.

No steering, propulsion or guidance system is allowed. Gravity is the only propelling force allowed. **No** wheel bearings, bushings, washers, auxiliary suspension, springs or starting systems. No loose materials should be used. Any weights used must be fixed to the car and may not flow in any way.

Only dry lubricant is permitted.

Overall dimensions (including decorations and weights) are not to exceed a length of 7", height of 3 ½", and the width of 2-¾". The wheel base must exceed 1-5/8" to fit over the guide strips in the track and the clearance should be at least ¼".

Weight shall not exceed 5 oz.

Detailing of the car is permitted as long as they do not exceed the dimensions limitations listed above. All items should be tightly secured to the vehicle. Any item which falls off after the car is submitted will remain off the vehicle, and any damage that occurs may not be repaired. **No modifications will be allowed after the car is submitted to race officials and may only be handled by race officials until conclusion of the race for that car.** The race officials will only place the car on the track and will not engage any switches, mechanisms or electronic devices.

During construction, ensure the vehicle design is sturdy enough to race multiple times (up to 10 heats).

Please be sure that the front of the car is readily apparent. If numbering is used, then utilize your assigned car number.

There will be an open class in which all adults, scouts and siblings are allowed to participate. Only width, length, height, and weight rules apply.

Designated proxy racers are permitted if a scout is unable to attend on race day.

Let's all have fun and enjoy the experience. Everyone wins just by participating!