

Pack 262 Official Pinewood Derby Rules and Regulations

Why Do We Have Rules?

The purpose of these rules is simple – to ensure all scouts are allowed to race fairly and evenly on the standard design Pinewood Derby tracks.

Car Design Specifications

1. The car must be made in the calendar year of the race and not “recycled” from prior years.
2. The car cannot exceed 2 $\frac{3}{4}$ inches in total width, 7 inches in length, 3 $\frac{1}{2}$ inches in height and may not weigh more than 5 ounces.
3. The width between the wheels shall not be altered from the set distance provided on the model block.
4. The car ground clearance must be at least $\frac{3}{8}$ inches throughout the length and width of the car.
5. The use of wheel bearings, washers, and bushings are prohibited and the car shall not ride on springs, shocks or other type devices.
6. Only official BSA Pinewood Derby kits, wheels and axles are allowed. **No solid, one-piece axles allowed. The wheels cannot be altered in any way other than to sand down any modeling stubs.**
7. Only dry lubricant is permitted. This rule is important to keep the track in good race condition for all racers.
8. Details such as steering wheel and driver are permissible and encouraged as long as these details do not exceed the maximum length, width, height and weight specifications.
9. Weights shall be passive, i.e. non-movable, non-magnetic, non-electric, non-sticky, etc. “Weight” is considered to be anything on the car that is not provided in the kit.
10. All weights must be securely fastened to the car by permanent glue, nails or screws, but not by sticky substances such as tape or tack spray. This is to prevent sticky substances from getting onto the track surface and affecting race conditions.
11. The car must be free-wheeling with no starting devices or motorized propulsion.
12. The nose of the car must be approximately $\frac{1}{2}$ inch in width at the center line to properly rest on the start gate and no part of the nose may protrude beyond the start gate to ensure an even start.

Pack 262 Car Registration and Inspection

1. All cars will be inspected based on the criteria listed above by the “Pit Crew”.
2. The Pit Crew will be made up of members of the Pack Derby Committee or designees.
3. An official Pit Crew scale will be assigned and weight will be measured to the rounded tenths place, e.g. if the car weighs 5.04 or less during inspection, then it meets race weight. Each car will be allowed 1 preliminary weigh-in before final check-in.
4. All cars will be issued a number after inspection.

Date: Saturday, March 5, 2011

Time: Races will begin at 11am

Classes: Tiger, Wolf, Bear, Webelos I, Webelos II Class and Open Class for parents and siblings!!!

5. The number will be a small adhesive dot or decal placed on the rear section of the car. Doing so will ensure easy identification as well as proper direction of travel during the race.

Let the Race Begin!

1. The Pinewood Derby is a gravity race. As such, all cars are expected to be self-powered in a traditional downhill race style – no motors, sails or shifting weights for propulsion.
2. The heats will be announced so all can hear.
3. All non Pit Crew members must stay behind the race barrier.
4. Only the Pit Crew will be allowed to handle cars on race day once final weight and check-in has been completed except in the event of repairs. Repairs can be made by the car owners under Pit Crew supervision.
5. Only the Starter(s) will officially place cars on the starting line for each heat.
6. The Starter(s) will do his/her best to ensure cars are properly placed at the starting line facing the correct forward direction with centerline alignment.
7. Once the cars are in position, the Starter(s) will start the race.
8. All races are placed electronically with the use of an electronic finish line and computer software. The car to cross the finish line first wins the race.
9. When and where possible, race results will be displayed electronically for all to see.
10. Race results will be announced after each heat.
11. If during the course of a race a car leaves its assigned lane and crashes into another car, interferes with the operation of another car or otherwise unduly causes interference of the race, it will be given one

chance and the heat will be run again. If the same car leaves its assigned lane and crashes into another car a 2nd time then it will be disqualified from that heat and the heat will be run again.

12. If a car leaves its assigned lane as mentioned in number 11 due to mechanical failure or a fault of the Starter, the car will not be disqualified. If needed, it will be allowed a repair time and the heat will be run again with all cars. This rule will be enforced at the discretion of the Pit Crew.

13. Awards will be announced at the end of all heats. The driver will be called to receive his/her award by the Pit Crew Leader with the top three place winners from each heat racing in the pack championship.

14. The top two place winners from each heat/rank will be sponsored by the pack to compete in the District races which are to take place in May.