

PINEWOOD DERBY 2011



PINEWOOD DERBY RULES PACK 49, JEFFERSON, NEW JERSEY

Car Specifications

- CS1. Overall width of body shall not exceed 1-3/4" inches (excluding wheels).
- CS2. Overall length of body shall not exceed 7 (seven) inches.
- CS3. The car must have a track clearance of a minimum of 3/8 inches.
- CS4. The height of the car shall not exceed 3 (three) inches.
- CS5. The weight shall not exceed 142 grams (5.00 ounces). The weight will be determined by the official weigh-in scale used at the time of registration. If the weight of a car is over 5.00 ounces, weight must be removed from the car to make it conform to the maximum 5.00 ounce limit before the car will be allowed to race.
- CS6. Car detailing is permitted as long as they do not exceed the maximum length, width, height and weight specifications of the car. No details (such as balsa wood, plastic frames, etc.) can be added. Little plastic drivers are permitted. Any wood cut from the original block may be reattached to form a new design.
- CS7. If material is added to increase weight, it must be securely attached or glued in place. Do not allow anything to extend below the bottom of the wood block because it will rub on the guide strip in the center of the lane (See CS3 rule).
- CS8. Pinewood Derby Car must have a solid front end, meaning no notches or channels on the car that would give an advantage at the starting line.

- 1). All cars must pass inspection to qualify for the race.
- 2). A special team of judges will determine if any cars have been used in past years.
- 3). Adults are allowed to cut the car only; due to the safety of the boys using power tools and saws.
- 4). **PARENTS! Don't have your son's car disqualified because you did the work. Any parent who feels he must work on a car can purchase a car, make and race it. Just follow the Car Specifications.**

Car Restrictions

- CR1. Car must have been made this year. No borrowing someone else's car or reusing a car from past years.
- CR2. Axles and wheels shall be as provided in the kit. NOTE: If axles have been altered to the point that they no longer appear as they *did* when new, the car will be disqualified.
- CR3. Wheels and axles must be placed in the pre-slotted section of the car **ONLY**.
- CR4. The wheels may not be reduced from their original size. Sanding of the wheels is permitted to remove any manufacturing burrs. However, wheels must remain square so that the entire width of the wheel must remain flat on the track. No tipping or angling of wheels is permitted. **No hubcaps allowed.**
- CR5. Mercury is prohibited as a weight.
- CR6. Wheel bearings, washers, bushings, oil, grease or any foreign substance other than dry powered graphite is prohibited. Powdered graphite can be applied at home and will also be available at the time of registration.
- CR7. The car shall not ride on any type of springs.
- CR8. Car must be freewheeling with no starter devices.

An official number will be provided for each car at the time of registration. This number must be put on the front of the car at the time of registration. (This avoids any cars being set on the track backwards).

NO PRE-ASSEMBLED OR PRE-WORKED CAR KITS ARE ALLOWED. Only the kit issued by the Pack can be used. If your kit is damaged during assembly or otherwise made unusable, contact your Den Leader for a replacement. If available, there will be a charge for this replacement.

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Car Disqualification

- CD1-A. Car Leaves Lane: If, during a race heat, a car leaves its assigned lane but proceeds down the track in a manner that does not interfere with its opponent, the race will be re-staged and re-run once. If the same car again leaves it's lane and does not interferes with another car, that car will be judged last place, will receive a race time of 7 seconds and the remaining results of this race will stand
- CD1-B. If, during a race heat, the car leaves it's assigned lane, but proceeds down the track in a manner that interferes with any opponent, the race will be re-staged and re-run. If same car interferes a second time, that car will be judged last place, will receive a race time of 7 seconds. The race will be re-staged and re-run without the offending car.
- CD2. Track Fault: If a car leaves its lane, at his sole discretion, the track chairman may inspect the track and if a track fault is found, which probably caused the initial violation, the track chairman may order the race heat to be rerun after the track is repaired.
- CD3. If the car is modified after registration by anyone in any manner.
- CD4. If a car breaks down, the Pit Crew has 5 minutes to fix the car. Officials will re-run the heat. If the car cannot be fixed in 5 minutes the car is disqualified.

General and Miscellaneous

- GM1. The Racing Starter will make sure the cars are on the track properly and then start the race.
- GM2. The car whose nose is first over the finish line is the winner. The computer will determine this.
- GM3. When the race is over and the results recorded, the cars will be taken back to the storage area by race personnel.
- GM4. No Scout may win more than 1 (one) trophy. If a Scout wins a trophy in the racing event, he will not win a trophy in the design events.
- GM5. Each heat will be announced with participating car numbers. These numbers are the ones provided at the time of registration. Race personnel will then place cars in the designated lane. **ALL OTHER PERSONS MUST REMAIN BEHIND THE BARRIERS.**
- GM6. After all races are completed, awards will be announced shortly thereafter. Every boy receives a participation medal. There will be awards for 1st, 2nd and 3rd place for each Cub Scout rank (i.e., Tiger, Wolf, Bear & Webelo) as well as awards for the fastest in each Den and Best Appearing Car, Funniest Car and Most Original Car. When the winners are announced, the boys will come up to receive their award.
- GM7. If, during a race heat, no car reaches the finish line on the track, the car which went the farthest in its lane shall be declared as the heat winner.

Should you have any questions concerning the rules, call Sean Tonnesen at 973-208-1092

