



CHINOOK DISTRICT PINEWOOD DERBY RULES

I. Registration:

- A. The top four (4) cars from each Pack are eligible to race in this year's event.
- B. Scouts may register early on-line, or the morning of the event. You are encouraged to register prior to the event on-line so that the District will have an approximate idea of the number of entries. To register online and for a copy of the rules please visit the District Calendar at www.nwscouts.org.
- C. An open division for adults and siblings is also provided. There are no rules to adhere to, other than length, width, ground clearance, and

II. Participation:

- A. Any boy who has placed in the top four (4) from his Pack is eligible to run.
- B. Racers must be present on race day to have their car run.

III. Weigh-in:

- A. Date: **Saturday, April 13, 2013**
- B. Time: **11:30am to 12:15pm. No Late Entries Will Be Allowed.**
- C. Location: **LDS Stake Center's Cultural Hall - 1620 East 29th Avenue, Spokane, WA**
- D. Cars must meet all specifications as printed in these rules and the Grand Prix Derby Kit. District rules will prevail when conflicts arise. A drill/drill bit may be available at weigh-in to remove weight, but weights will not be provided to add weight to your car. Bring your own weight and method for attachment, if you think you may need to add weight.
- E. Cars must be lubricated before weigh-in, as all cars will be impounded and will not be returned until after the race.
- F. All unforeseen circumstances will be resolved per Official Race Committee decision. The Committee's decision shall be final.
- G. If you cannot make this weigh-in, contact Crystal Loomis at 242-8240 prior to weigh-in, to make other accommodations. No car will be allowed to weigh-in after the above date and time.

IV. District Race:

- A. Date: **Saturday, April 13, 2013**
- B. Time: **Race shall start at approximately 12:30pm.**
- C. Location: **LDS Stake Center's Cultural Hall - 1620 East 29th Avenue, Spokane, WA**

V. Construction:

- A. General
 1. The Cub Scout must build the car with assistance from his parent or guardian.
 2. The car must be built from the official Boy Scouts of America kit #17006. All functional racing parts (i.e. wheels and axles) shall be only from those items provided in the kit. Two exceptions concerning substitutions for any functional part are the "new" optional official BSA colored wheels, and the "The Wedge" body #614417. Brands such as "Pre-Cut", "Pine-Car", and other pre-finished cars are not allowed and are subject to immediate disqualification, even though such cars may meet the following requirements.
 3. Eligible cars may not have raced in any other Pinewood Derby Race, unless the boys Pack race happens to fall before the District race.
 4. Previous year's cars are not permitted to race.
 5. All entries will use the nail axles, wheels, and wood block provided in the Grand Prix Derby Kit.
- B. Body
 1. Weight: Overall car weight cannot exceed 5 ounces, or 141.75 grams (as determined by the District scales at weigh-in).
 2. Width: Overall body width, including wheels, may not exceed 2 3/4".
 3. Length: Overall length may not exceed 7".
 4. Wheel base: Wheel base shall not exceed 4 3/4".
 5. Ground Clearance: Minimum 3/8" space between the bottom of the car (including weights) and the track, with the wheels touching the track.

6. All weights must be permanently attached to the car. No loose materials of any kind are permitted on or in the car. No “adjustable” weights will be permitted.
 7. Cars shall not ride on any type of springs or suspension systems.
 8. There can be no faring that covers the wheels.
- C. Wheels
1. Wheels must retain the original width as supplied in the Grand Prix Derby Car Kit. Any steps, “V” shaped, skinny, or rounded tires will be disqualified. Official BSA colored wheels may be used.
 2. Tire tread may be smoothed reasonably flat only.
 3. Bushings, bearings, and washers are not permitted in the wheel hub, or between the hub and the car body.
 4. Wheel covers (hubcaps) will not be allowed.
 5. Only dry graphite type lubrications will be allowed.
- D. Axles
1. Only those axles (nails) supplied with Grand Prix Derby Car Kit will be allowed
 2. Axles may be deburred, or polished to a smooth surface, but may not be altered in any other way.
 3. Bushings or bearings are not allowed on axles. Pipe axles extending from the car body are considered bearings, and are subject to disqualifications.
- E. Numbering
1. Please bring the black & white numbers sheet provided in the Pinewood Derby kit with you to the weigh in. Do not affix them to the car until instructed.
 2. Numbering will be done at weigh-in by the District Race Committee.
 3. Cars must display only the number assigned by the Race Committee.
 4. Numbers will be placed so they are plainly visible on the topside of the car.

VI. Racing Rules

- A. Once a car has passed inspection at weigh-in and placed in the “pits”, no alterations, weight changes, or lubrication will be allowed.
- B. If a car breaks down after the start of the race, it is subject to disqualification by the Race Chairman. The race must go on!
- C. If a car jumps the track and does not interfere with another car, the race will be rerun one time.
- D. If a car jumps the track and interferes with another car or cars, the race will be rerun. If the same car jumps the track and interferes again with another car, the jumped car will be disqualified from that heat and receive last place points. The remaining cars will then be rerun.
- E. If a car is on the track and does not finish, it will receive last place points. In the event that two or more cars do not cross the finish line, the closest car to the finish line will receive higher place finish.

VII. Scoring:

- A. In each race, points will be awarded based on finish position.
- B. In case of tie at the end of the final heat:
 1. If there is a two-car tie, a tiebreaker will be run on lanes B & C with the cars alternating lanes. The first car to win two consecutive races is the winner.
 2. In case of a three-car tie, a tiebreaker will be run on lanes A, B & C, with cars running once on each lane. Scores will be kept as described above, for the three remaining heats. The car with the most points after the third heat will be the winner.
- C. **Racers must be present to race and to win!**
 1. The 1st, 2nd and 3rd place boys must be present to win a trophy.
 2. Awards will also be given for categories such as “Best Scout Spirit”, Best Design, Most Creative, and others as determined by the committee

VIII. Extra Pointers:

- A. Search the Internet for ideas, but remember to follow the District rules above. There are lots of websites out there to help in building of your car.
- B. Most importantly, have fun building your car.