

CUB SCOUT PACK 262

Grand Prix Pinewood Derby 2010

The focus of this event is not to win at any cost, but for each Cub Scout to DO YOUR BEST and HAVE FUN!

The Cub Scout should have the fun of racing a car he has built from materials in the Pinewood Derby kit. There is a separate race division for Tiger Cub, Wolf, Bear, and Webelo first and second year scouts. The race is not the finale of the experience and shouldn't be regarded as the only reason the car was built. The whole experience is a lesson in planning, work, cooperation and patience. Hopefully it will seed fond memories of the time that dad and/or mom and their son designed, built and raced a car in the Pinewood Derby. Adults and others should only work with, teach, guide and help the scout, remember this is his project and competition. In order to allow parents and siblings the opportunity to show their skills in car building without doing it on the scout's car they may build their own car and enter it in the Sportsman or Senior Sportsman Divisions.

Race Information

- **Car Kit Hand Out:** Official Grand Prix Pinewood Derby Car kits will be handed out at January Pack Night. There is no charge to the scouts for their car kit. Any parents/siblings wanting to enter a car in the Sportsman Division may purchase a car kit from the Race Committee or from the Potawatomi Area Council, BSA Store.
- **Registration and Inspection Day:** At March Pack Night; March 11, 2010
- **Race Day:** St. Joseph Parish Gym; March 13, 2010; 10:00 am
Family Admission: 1 grocery bag of nonperishable food which will be donated to a Food Pantry.
- **Questions:** Please direct all race related questions to the Race Committee Chairperson.
- **Race Committee Chairperson:** Greg I

Divisions and Awards

Note: Each participating Cub Scout will receive one trophy. In addition however 4 scouts will also receive a speed certificate for the Fastest Car of the Pack Award.

- **TIGER CUB:** 1st Place; 2nd Place; 3rd Place; Participant (for those not placing)
- **WOLF:** 1st Place; 2nd Place; 3rd Place; Participant (for those not placing)
- **BEAR:** 1st Place; 2nd Place; 3rd Place; Participant (for those not placing)
- **WEBELO I:** 1st Place; 2nd Place; 3rd Place; Participant (for those not placing)
- **WEBELO II:** 1st Place; 2nd Place; 3rd Place;
- **Fastest Car of The Pack Award:** Speed Certificate: 1st Place; 2nd Place; 3rd Place; 4th Place
- **SPORTSMAN (parent/sibling):** Certificate: 1st Place; 2nd Place; 3rd Place; Participant
- **SENIOR SPORTSMAN (parent):** Certificate: 1st Place; 2nd Place; 3rd Place; Participant

Car Registration and Inspection

- **Pre-Inspection Adjustments:** Final car adjustments will be permitted on Registration Day. There will be a table set with loose weight, tools and Pit Crew help. Please use this for final adjustments only as time is limited for registration and inspection.
- **Registration and Inspection:** Each car owner must enter their car on Registration and Inspection Day with the attached Registration Form and each car must pass inspection by the Race Committee in order to qualify before it may compete. The Inspectors will not qualify any car not meeting the car specifications below. Any scout or parent may

appeal the findings of the Inspectors to the Race Committee Chairperson. In any event the decision of the Race Committee Chairperson is final.

- **Impound:** After qualifying, all cars will be impounded by the Race Committee and may not be altered in any way. The cars will be released to the car owners after the Awards Ceremony on race day. (The Race Committee will take great care to protect the cars during impound and during the race however does not take responsibility for any damage which may occur at this time.)
- **Unable to Attend:** Cub Scouts and parent/siblings do not need to be present to register or race. If you are not able to be present please have someone register the car on registration and inspection day and pickup the car after the Awards Ceremony.

General Rules

1. Each Cub Scout may enter one car only. Each sibling and parent of a scout may also enter one car each in the Sportsman Division.
2. All cars entered must have been built for this years race. Cars which have competed in prior races may not compete.
3. All cars must be built and decorated in good taste. Car names must also be in good taste.
4. Car construction techniques should include only those within the skill/age level of the Cub Scout. (This would indicate the exclusion of all but simple home hand tools. Parents/siblings should show there skills by entering a car in the Sportsman Division.)
5. If damage occurs to a car during impound or on race day which would prevent it from properly running on the track, the Race Committee Chairperson may request repairs be made under the supervision of a Race Committee Member prior to further competition of that car.
6. At all times Cub Scouts, parents, and all present must behave in a sportsman like manor.
7. By entering a car to qualify in the Grand Prix Pinewood Derby both Cub Scouts and parents acknowledge they have read, understand and will abide by all Rules and Car Specifications.
8. Noncompliance of any Rules or Car Specifications shall be addressed by the Race Committee and Race Committee Chairperson. Noncompliance of any rule may result in disqualification from racing. In any event the decision of the Race Committee Chairperson is final.

Car Specifications

9. **Car Kits:** Wood, axels and wheels from the Official Grand Prix Pinewood Derby Car kits, or Official BSA Replacement Part Kits, must be used without substitutions.
10. **Height:** The height of the car shall not exceed 3 inches. (From the bottom of the wheels to the highest point of the car)
11. **Width:** The width of the car shall not exceed 2-3/4 inches. (At the outside of the wheels)
12. **Length:** The length of the car shall not exceed 7 inches.
13. **Weight:** The weight of the car shall not exceed 5.0 ounces. The weight shown on the Official Race Scale is final. All car parts and materials must be firmly attached. To increase the car's weight, add wood or

metal. (Do not use liquids or unsafe materials such as mercury.)

14. **Chassis:** The wheels and axels must all be mounted to the wood from the kit forming the car chassis. The wood may be cut into any form as long as it supports all four axles.
15. **Wheel Placement:** The wheelbase (distance between front and rear axles) is unrestricted. The four wheels must be placed such that the car will straddle the lane guide and maintain all four wheels in contact with the surface of the track. The car must provide at least 1-3/4" clearance between the wheels on opposite sides. It must clear the ground by at least 3/8" (inboard of the wheels).
16. **Wheels and Axles:** Use only Official Scout Grand Prix wheels and axles. You may polish the axles. You may slightly sand the wheels to remove the molding seam or true the tread. No other wheel changes (e.g. coning, drilling, grooving) are allowed. You may not use bearings, washers or bushings.
17. **Exceptions for Senior Sportsman Class:** Cars in the class must have 3 wheels minimum touching the ground, wheel and axle changes are unlimited, axle bushings are allowed and the maximum weight is 4.75 ounces. All other car specifications apply.
18. **Springing:** The car may not ride on any type of springs.
19. **Details:** Details such as steering wheel, driver, painting and interior details are permitted. The finished car with details must be within the maximum height, width, length, and weight restrictions. Cars with wet paint or loose parts will not be accepted.
20. **Attachments:** The car must be freewheeling with no starting devices. All attachments on or in the car must have solid attachment. No loose material of any kind (such as lead shot or liquid) is permitted.
21. **Lubrication:** Use dry powdered graphite ONLY. You may not use any other lubricant, especially oils and silicone sprays. Many oils will soften or melt the plastic wheels. No graphite may be applied inside the building or after car inspection.
22. **Identification:** Mark car owners name and den, as well as the car front on the bottom of car in permanent marker.

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Grand Prix Pinewood Derby 2010 REGISTRATION FORM

Complete this form and turn in with car at Registration and Inspection

Circle one: Tiger Cub Wolf Bear Webelo I Webelo II Sportsman Senior Sportsman

Car Owner Name: _____

Car Name: _____

Official Car Number: _____
(Assigned by Race Official)

Mark car owners name and den, as well as the car front on the bottom of car in permanent marker.