

## Pinewood Derby Rules- Pack 337 Race January 13th, 2011

**\*\*Important:** Please read these rules and instructions included with your Pinewood Derby car before building your car. THESE RULES WILL BE ENFORCED.

This event is designed to be a parent and son event. It was created to teach the scout the skills to build a car and promote good sportsmanship. We want our boys to be able to say "I did my best" and be happy with the results. We are requiring that each boy be involved in the building of their car based on their den level. We ask that **Tigers** do at least **2** items personally, **Wolves-3, Bears-4, and Webelos-5.**

\_\_\_\_\_ Select the design                  \_\_\_\_\_ Cut out shape                  \_\_\_\_\_ Sanding  
\_\_\_\_\_ Painting Car                          \_\_\_\_\_ Apply Decals                          \_\_\_\_\_ Adding Weights  
\_\_\_\_\_ Putting on Wheels

### **Car Specifications:**

-Width- max. - 2 3/4"                          -Length-max. - 7"                          Weight- not to exceed 5 oz.  
-Width between wheels- 1 3/4"                  -Height-max. - 3"  
-Bottom clearance between car and track- 3/8" or greater

### **Rules:**

- Each Cub Scout must use the official Grand Prix Pinewood Derby Kit.
- The car must be made during the current 2011-12 school year. Cars, wheels, or axles made and/ or raced in previous years **CANNOT** be raced at this year's Derby.
- Details such as the steering wheels, driver, decals, painting, and interior detail are permitted as long as the addition of these details does not exceed the maximum length, width, height, and weight specifications.
- Axles and wheels must be those included in the official Pinewood Derby kit. No substitute axles will be allowed. Only official BSA wheels substitutes will be allowed (For example, the Scout shop sells colored wheels).
- Wheel bearings, washers, hubcaps, and bushings are not permitted.
- The existing pre-cut slots should be used for the axles. If the slots are not used, the distance between the front & rear axles must be within 1/2" of the distance between the existing pre-cuts slots (1/2" outside one of the slots or 1/4" outside of both slots). The minimum underbody clearance of 3/8" must still be achieved.
- NO PORTIONS of the car can extend beyond the starting pin, including the wheels.
- Modifications to the wheels or axles are not permitted. Wheels may not be altered in any way that would change their dimensions except to polish for "truing". Do not cut or mold the wheels in any way.
- Only dry lubricant is permitted. No grease, oil, or silicone spray is permitted. It must be applied prior to check-in and may not be re-applied between races. (Graphite may be reapplied once prior to the Pack championship finals.)
- The car must be free-wheeling with no starting devices. No moving parts internal to the car will be allowed.
- Each car must pass inspection by the official inspection committee before it may compete.
- If, at registration, a car does not pass inspection, the owner will be informed of the reason for failure, and will be given time within the official weigh-in time to make the adjustment.
- After final approval, cars may not be touched by anyone other than the Cub Scout or race officials. No work may be done on cars once they are weighed-in except in an emergency, such as a wheel falling off.
- The Derby chairman shall be the final authority on all rule interpretations.

This list is a summary of the rules that will be enforced by the Pinewood Derby Committee. For any additional questions or specifications contact your den leader. Dan McMillan can also be contacted at (321) 591-5108 or [dnmcmillan@gmail.com](mailto:dnmcmillan@gmail.com). Additional details can be found in the *Grand Prix-Pinewood Derby Guidebook*, available at the Scout Shop.