2015-2016 Pack 867 Pinewood Derby
Speed and Show Car Rules

Location: St. John's Church Date: Saturday, March 5th (Races start at 9:00 AM)
Inspection & Check-in & Adult Races: Friday, March 4th, Registration starts at 6:00 PM

General Rules – All cars must comply with the following:

1. Cars must be made from the items in the official Cub Scout Grand Prix Pinewood Derby Kit and/or official parts bought from BSA. **Cars and performance parts offered by third parties are not allowed.**
2. Additional materials may be attached to the car to enhance the design and must be firmly attached.
3. Cars must be made during the **2015-2016** scouting year. Cars from previous years will not be allowed.
4. Only one car can be entered for each scout.
5. Cars specifications are as follows:
   - Total Width not to exceed 2-3/4"
   - Total Length not to exceed 7"
   - **Total Weight not to exceed 5.000 oz**.
   - Wheelbase must be 4-3/8"
   - Width between wheels must be 1-3/4"
   - Total Height not to exceed 3"
   - Bottom clearance between bottom of car and track at least 3/8"

   (please be mindful of the bottom clearance if weights are placed on the underside/belly of the car)
6. Cars must not be altered once they have been registered and "checked in" to the Pit Area.
7. For the Pack Event, cars can be entered in both Show and Speed Events.

**** Additional Rules for District Competition****

8. For those registering for Districts, a car **MAY NOT** be altered in any way prior to entering the car into the District competition.
9. Cars entered for Show must still be able to perform the basic functions of a derby car (i.e. have a body, wheels, and be able to fit on the track rails). The height of show cars may be 7".
10. For District competition, each car may only be entered in **ONE** event — Show or Speed.

Speed (Fastest Car) Event Rules – Cars entered for Speed (for Pack and District) must comply with the following additional rules:

1. Cars specifications are as above and may not weigh more than 5.000 oz.
2. Wheel bearings, washers and bushings modification to wheels/axels are prohibited.
3. The car shall not ride on springs (i.e. spring suspension).
4. Wheel footprint (i.e. the portion of the wheel that contacts the track surface) may not be altered, but it may be smoothed to eliminate burrs. Mold seams may be removed, but wheels may not be narrowed, ridged, rounded-over or otherwise changed. No H treads, or V treads.
5. All four wheels must touch the track surface. Some minor play will be allowed, as a result of unintentional placement of the axles in the grooves or drilled holes, but offsetting, that in the opinion of the Derby Chair is intentional, will be disqualified.
6. Wheelbase (distance between front and rear axles) may not be modified or extended; although it may be shifted slightly (i.e. moved forward or backward along the length of the body) should the pre-made grooves not be properly aligned. Axel holes may be drilled to ensure "trueness" but cannot be shifted in order to extend or modify the wheelbase.
7. Axles may only be polished to remove burrs.
8. Only dry lubricants (i.e. graphite, Teflon) are permitted. Wet lubricants (i.e. oil) are prohibited. Excess graphite will be removed during inspection.
9. No hubcaps or wheel coverings may be used to hold lubricant in.
10. All weights must be securely fastened to the car. No sliding or liquid based weights are allowed.
11. The car must be free-wheeling, with no propelling starting devices, springs, magnets, etc.
12. If a car breaks down during a race, only the repair or replacement of that part is allowed, and only if it affects the basic performance of the car (i.e. a wheel or weight falls off). The repair must be completed within 5 minutes time or the car will be disqualified.
13. Any car that, in the opinion of the Derby Chair, in conjunction with other Derby Officials, has an unfair advantage over other cars — due to construction, materials, wheels, or rules violations — may be disqualified.
14. In case of close calls or questions, the decision of the Derby Chair is final.

Event Rules:

1. To qualify for the "show category", all participants must be pre-registered the night prior to the race. Lone scouts or walk-ins will not be allowed to participate.
2. Late registrations will be taken the morning of the derby (8:15 – 8:45 AM), but those cars will not be eligible for show category.
3. Graphite **will not** be allowed to be added on the track. Graphite can be used; however, do not use excessive amounts. Derby staff will remove excessive graphite during inspection. Graphite can damage the floor and the track.
4. No scout, parent or leader will be allowed into the Pit, Race or Show areas once cars have been registered. Only our "show judges" or critical Race personnel will be permitted. The exception would be to make allowable repairs, and then only under the supervision of a Derby official.
5. During the Pinewood Derby, all scouts, leaders, and parents are expected to exhibit their best scout behavior and manners, and exercise good sportsmanship. No running or disruptive behavior will be allowed at any time. Non-compliance may result in disqualification from the Pinewood Derby.
6. Cars must be able to travel the length of the track in order to qualify.
7. For siblings of scouts competing, all of the above rules must be followed. Siblings are eligible within the siblings category to win awards for speed and show. Siblings do not participate within the ranks races.
8. Adults only races will take place on Friday, March 4th after the track is completed and setup. Check in registration times are the same as above. Like the Scouts, ALL adult races must comply with the General and Speed Event Rules listed above. There will be no judging for show….JUST SPEED!

********* Should you have any questions about any of the above, or whether or not you can use a particular tool, technique, etc., please email Tucker Snyder, pathfinder718@yahoo.com**