

## Pack 225 Pinewood Derby

**Date:** Sat, Feb 9<sup>th</sup> 2008 **Location:** Windermere Elementary School Cafeteria

**Time:** Inspections Starts from 8:15 am – 9:00. Racing Starting at 9:00 am

**Entry Fee:** FREE

**TOURNAMENT BRACKETS:** Names of racers will be collected at den meetings. Tournament brackets will be fixed ahead of the race, so walk-ins **will not be allowed on race day**. Brackets will include Scouts, Sibling, [Parents, and Open \(Pro\) and Parents/Pro](#).

Car inspection and check-in will be performed on race day. Each car must pass inspection by the official Inspection Committee before it will be allowed to compete. The Inspection Committee will disqualify cars that do not meet specifications. Each car will be inspected using the Pack 225 Pinewood Derby Registration and Inspection Form (see attachment).

**Cars will also be judged for “Most Original”, “Best Craftsmanship”, and “Daddy Didn’t Do it”.**

**Scout ‘s Pinewood Derby Car Specifications:** All Scouts, regardless of division must comply with the following racing specifications which are excerpted from the official Grand Prix Pinewood Derby Kit Instructions. [Cars built in prior scout years are not allowed to race.](#)

1. Kits: Cars must be built from official BSA kits using only BSA official parts.
2. Width: Overall width shall not exceed 2-3/4”.
3. Length: Overall length shall not exceed 7”.
4. Weight: Finished car cannot weigh more than 5 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 only.
5. Wheel & Axles: Use only Official Scout Grand Prix wheels and axles. You can polish the axles. You may lightly sand the wheels to remove the molding seam on the tread. No other wheel changes are allowed. Washers and bushings are prohibited.
6. Lubrications: Use dry powdered graphite ONLY. You may not use any other lubricant, especially oils and silicone sprays. No graphite may be applied after car inspection.
7. Springing: The car shall not ride on any type springs
8. Details: Details such as steering wheel, driver, decals, painting or interior detail are permissible as long as these details do not exceed the maximum length, width, and weight specifications.
9. Attachments: The car must be freewheeling with no starting devices.
10. Inspection: Each Car must pass inspection by Committee before it may compete. Inspection will take place from 8:15 am to 9 am.

### Rules for Race Day

1. Violators of these rules may be disqualified at the discretion of the race committee.
2. Once cars have been registered, weighed, and certified, they will remain in the hands of the race committee until the end of the competition.
3. Decision of the “chief inspector” is final.
4. After passing inspection, the race committee will place the car, wheels down, in the “garage” to allow for judging. The car will not be reinspected once it is placed in the garage.
5. Racers are NOT permitted to handle their cars after passing inspection except to get the car from the “garage” for an announced heat. Racers are NOT permitted to handle another racer’s car for any reason.
6. NO GRAPHITE WILL BE ALLOWED IN THE RACE AREA on the day of the race. Scouts will lubricate the cars at the outside the building prior to inspection.
7. Because of possible damage to cars and track, there will be no running, pushing, yelling, etc. in the race area. Violators will be disqualified.

8. Scouts and all other spectators must remain behind the ropes marking the racing area.
9. Each heat will be announced. The starter will place the cars on the track.
10. The starter will make sure the cars are on the track properly and then will start the race.
11. Results will be recorded at the finish line
12. If a car leaves the track, runs out of its lane, interferes with another car, loses an axle, etc., the heat will be rerun. If the same car gets into trouble on the second run, the contestant is disqualified and automatically loses that race. If, on the second run, another car is interfered with, the heat will be run a third time, but without the disqualified car.

#### Other Important Information for Race Day

1. No additional weight tolerance will be allowed on race day this year. Car must meet weight specification according to inspector's scale. (Explicitly mentioned because we have, unannounced, allowed additional weight tolerance in the past.)
2. Please allow 3/8" clearance between the underside of the car and the "ground" so that the car will ride properly in the wheel grooves on our Pinewood Derby track.

#### **Additional Classes Pinewood Derby Car Specifications:**

##### **Siblings and Parents**

1. Width: Overall width shall not exceed 2-3/4".
2. Length: Overall length shall not exceed 7".
3. Weight: Finished car cannot weigh more than 5 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 only.
4. Lubrications: Use dry powdered graphite ONLY. You may not use any other lubricant, especially oils and silicone sprays. No graphite may be applied after car inspection.
5. Springing: The car shall not ride on any type springs
6. Details: Details such as steering wheel, driver, decals, painting or interior detail are permissible as long as these details do not exceed the maximum length, width, and weight specifications.
7. Attachments: The car must be freewheeling with no starting devices.
8. Inspection: Each Car must pass inspection by Committee before it may compete. Inspection will take place from 8:45 am to 9 am.
9. Thrusting agents: No propellants are allowed

##### **Pro (Open)**

1. Width: Overall width shall not exceed 2-3/4".
2. Length: Overall length shall not exceed 7".
3. Weight: Finished car cannot weigh more than 5 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 only.
4. Lubrications: Use dry powdered graphite ONLY. You may not use any other lubricant, especially oils and silicone sprays. No graphite may be applied after car inspection.
5. Inspection: Each Car must pass inspection by Committee before it may compete. Inspection will take place from 8:50 am to 9 am.
6. Thrusting agents: No propellants are allowed

# Pack 225 Pinewood Derby Registration and Inspection Form

(February 9<sup>th</sup> 2008)

Name: \_\_\_\_\_ Class: Scout/Sibling/Pro Den: \_\_\_\_\_ Rank: \_\_\_\_\_

I have constructed my pinewood derby car following the rules associated with my class:

X \_\_\_\_\_

-----To Be Used by Inspection Committee -----

- | Value                      | Initial Approval |  |
|----------------------------|------------------|--|
| 1. _____ (Y/N)             | _____            | Kits: Cars must be built from official BSA kits using only BSA official parts.                                   |
| 2. _____ (Y/N)             | _____            | Width: Overall width shall not exceed 2-3/4".  |
| 3. _____ (Y/N)             | _____            | Length: Overall length shall not exceed 7".  |
| 4. _____ Oz                | _____            | Weight: Finished car cannot weigh more than 5 ounces.<br>(No tolerance allowed above 5 oz on race day)           |
| 5. _____ (Y/N)             | _____            | Wheel & Axles: Use only Official Scout Grand Prix wheels and axles.  |
| 5. _____ (Y/N)             | _____            | Axles can only be polished and have burrs removed.<br>(No Grooves or re-sizing are allowed).                     |
| 5. _____ (Y/N)             | _____            | Wheels are only lightly sanded to remove the molding seam on the tread.<br>(No other wheel changes are allowed). |
| 5. _____ (Y/N)             | _____            | Washers and bushings are prohibited.   |
| 6. _____ (Y/N)             | _____            | Lubrications: Use dry powdered graphite ONLY.  |
| 7. _____ (Y/N)             | _____            | Springing: The car shall not ride on any type springs  |
| 8. No Inspection necessary |                  | Details:   |
| 9. _____ (Y/N)             | _____            | Attachments: The car must be freewheeling with no starting devices.  |