



You're Invited!

Northwest Suburban Council Boy Scouts of America
Invite You To The
2010 Open Pinewood Derby

July 4, 2010, 1:00 PM – 5:00 PM
Arlington Park Racetrack
2200 W Euclid Ave., Arlington Heights, Illinois

Four Open Events To Choose From:

1. **Never Raced Before Event** – Race against other rookies of all ages. Everyone is welcome!
2. **Experienced Youth Race** - Open to all youth under age 21 (yes, girls are welcome!) who have raced in a Pinewood Derby somewhere before (i.e. Cub Scouts, YMCA, church youth group, etc.).
3. **Extreme Pinewood!** – This is THE EVENT for all those adults who have been yearning to show just what THEY can do with a pinewood derby car! Limited rules – see rules sheet for details. Age 21 and up.
4. **Open Design Competition** – It doesn't have to move, just look good. Show how creative you are. All ages welcome.

PLEASE FOLLOW THESE SIMPLE STEPS TO PARTICIPATE:

1. Choose which event you want to participate in.
Note: A car may be entered in either the race or the design competition, but NO car may enter both as the competitions occur at the same time in different parts of the Arlington Park facility.
2. Register to participate by filling out and mailing the form on the following page along with the \$5.00 per car registration fee. Registration at the event may be possible, but space is limited and is first come, first served. Pre-registration is recommended.
3. Read the rules for your event.
4. Prepare your car. You may use a previously built car (as long as it meets the rules), or buy a car kit at one of the BSA Scout Shops. 600 North Wheeling Road, Mt Prospect, IL (Phone: 1-847-759-9082) is the location closest to Arlington Park or search online for other locations. Car kits may also be bought online at <http://www.scoutstuff.org> – just search for “Official Pinewood Derby Car Kit” once you're on their website, or for beginners, buy and assemble a simple car kit at the event.
5. Plan to attend the Scouts on Track celebration of the 100th anniversary of the Boy Scouts. This event is being hosted by Arlington Park Racetrack on July 4th, 2010. Youth 17 and under are always free at Arlington Park; Adults may buy tickets online at <http://tickets.arlingtonpark.com/> or pay at the gate. General Admission tickets are \$6.00.

Questions? Please contact the event committee **via email** at Pinewood.NWSC@gmail.com



2010 OPEN PINEWOOD DERBY REGISTRATION FORM

July 4, 2010, 1:00 PM – 5:00 PM
Arlington Park Racetrack
2200 W Euclid Ave., Arlington Heights, Illinois

Please use ink and PRINT neatly:

Name: _____

E-mail: _____

Phone: _____

Event (Select One):

- Never Raced Before (All ages)
- Experienced Youth Race (Under 21)
- Extreme Pinewood! (21 and over)
- Open Design Competition (All ages)

Address: _____

I have read the rules and agree to follow them:

Signature of Participant

Signature of Parent / Guardian if Participant is under the age of 18

Payment: Check # _____ Fee: \$5.00

Please mail registration form and check to: Northwest Suburban Council
600 N. Wheeling Rd., Mt. Prospect, IL

REGISTRATION FORMS MUST BE POSTMARKED BY JUNE 28TH; AFTER THAT REGISTER AT THE EVENT

Questions? Please contact the event committee via email at Pinewood.NWSC@gmail.com



SEE YOU AT THE DERBY!



PINEWOOD DERBY RULES and MORE INFO

LOCATION: Arlington Park Racetrack, 2200 W Euclid Ave., Arlington Heights, Illinois
 Open Race Events: Outdoors at the Band Tent
 Open Design Competition: Main Floor at the foot of the Grand Staircase

EVENT TIMES:

Event	Check-In Period	Race/Judging Period*
Experienced Youth Race	1:00 – 2:00 PM	2:30 – 3:30 PM
Extreme Pinewood!	2:00 – 3:00 PM	3:30 – 4:30 PM
Never Raced Before	3:00 – 4:00 PM	4:30 – 5:30 PM
Open Design Competition	1:00 – 2:00 PM	2:15 – 4:00 PM

*Note: Racing/Judging times are approximate

TROPHIES & PATCHES:

Trophies will be given to the top cars in design and race. Commemorative Patches will be provided to all participants.

RULES:

The attached race rules apply fully to the **Never Raced Before** and **Experienced Youth Race** events. The only rule for the **Open Design Competition** is that the car must have started as a block of pine wood and have been shaped by the entrant. The judging criteria are included after the race rules.

For the **Extreme Pinewood!** event, only the following rules apply:

1, 2, 3, 4, 18, 21, 22, 23, & 24 – Apply as written

7, 8, 9 & 10 – are suggestions. You can do whatever you want, but if it doesn't make it down the track or interferes with another car you will be disqualified.

12 – The 5.0 ounce weight limit is standard. To put an interesting twist on this event (and to raise money for a worthy cause), additional weight allowances may be obtained for a tax-deductible donation to the NWSC Boy Scouts of America using the following schedule:

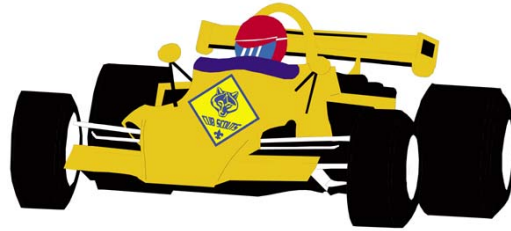
Weight (Oz.)	Donation Amount
5.0 or less	None
5.1	\$1.00
5.2	\$2.00
5.3	\$5.00
5.4	\$10.00
5.5	\$15.00
No car may exceed 5.5 ounces.	

We're looking forward to seeing you at Arlington Park Racetrack!

The 2010 NWSC Pinewood Derby Committee

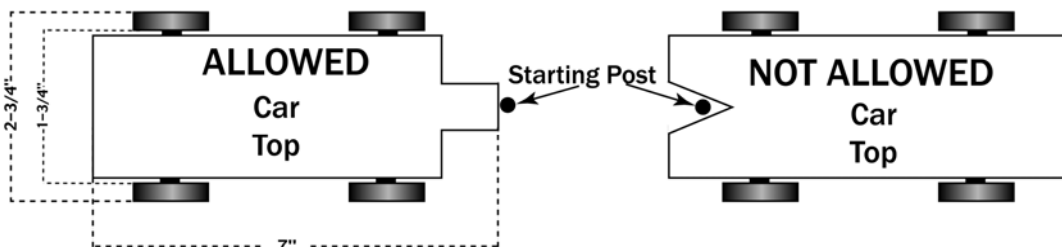


OFFICIAL SPECIFICATIONS / RULES



The specifications below will be strictly adhered to for the 2010 Pinewood Derby. These rules supersede the rules that are provided in the Pinewood Derby kit.

1. **Sportsmanship** – Although we want participants to do their best to win, the main purpose of Pinewood Derbies is to have **FUN!** As in virtually all sporting events, unsportsmanlike conduct will not be tolerated.
2. Each car must pass inspection by the Official Inspectors before it may compete. The Inspectors have the right to disqualify cars which do not meet these specifications. *If your car does not meet these specifications, **it will not be permitted to run at the Northwest Suburban Council-wide Pinewood Derby Race.*** The fact that a car was allowed to compete at some other pinewood derby race is irrelevant.
3. Inspectors may allow minor weight adjustments due to scale differences. No other alterations shall be made. No handling of the car by participants is allowed after the car receives official inspection approval. Pictures of the Scout with his car must be taken before Check-In or after all racing is completed.
4. Once a car is accepted by the inspectors at Check-In, no challenges or additional inspections will be performed. (If you don't like the job that the inspectors are doing, please volunteer to help out for the next year's event.)
5. **Car Materials:** Cars are to be made from the "Official Pinewood Derby Car Kit". Kits are available at the NWSC Council Scout Shop. Any replacement parts shall be "Official Pinewood Derby Car Kit" parts. If you buy it on the Internet anywhere but <http://www.scoutstuff.org>, it is almost certainly NOT official BSA, even if the manufacturer put the BSA logo on it.
6. **Shape:** The center of the front bumper must be the furthest point forward on the car with the front bumper center being no more than $\frac{1}{4}$ " higher than the undercarriage clearance of the car. No part of the car may extend forward of the starting pin. The front of the car must not have a notch, as pictured. Pointed nose cars are hard to start. We will do our best.



7. Minimum **ground clearance** must be $\frac{3}{8}$ inch as measured between the car and the track. We recommend that you recess weights placed on the underside of the car.
8. The **length** of the car shall not exceed 7 inches.
9. The **height** of the car shall not exceed 4- $\frac{1}{2}$ inches.



10. **Width:** The width of the car shall not exceed 2-3/4 inches. Minimum width between wheels (on the same axle) shall not be less than 1-3/4 inches. The car body can be narrower than 1-3/4 inches, but the wheels must be a minimum of 1-3/4 inches apart so the car will straddle the track.
11. **Axle Location:** All cars must use the slot in the original block of wood for axle placement. No changes in axle distance or drilling of axle holes in the side of the car with a drill press will be allowed. Axle distance is 4 3/8 inches from the center of the front axle to the center of the back axle. Slot depth may not be altered.
12. **Weight:** The weight of the car shall not exceed five (5.0) ounces. No loose or liquid materials of any kind are permitted in or on the car. The car may be hollowed out and built up to the maximum weight by the addition of wood, metal, plastic, glue, etc., provided it is securely built into the body.
13. **Wheel Bearings:** Washers, bearings, and bushings are prohibited.
14. **Springs:** The car shall not ride on any type of springs.
15. **Detailing:** Details such as steering wheel, driver, decals, painting, and interior detail are permissible as long as these details do not exceed the maximum length, width, or weight. All details must be permanently attached.
16. No solid axles (PineCar brand or similar) will be allowed. Only axles as provided with the Official Pinewood derby kit will be allowed (4 nails, 1 per wheel). No wheel covers or hubcaps are allowed.
17. Axle shape and dimensions may not be altered. Burr marks may be removed and axles may be lightly sanded and/or polished.
18. Each car must be free-wheeling, powered only by gravity with no starting device.

WHEELS

19. Surface imperfections and mold casting marks may be removed with light sanding and/or polishing, but wheels may not be altered in any other way, including holes drilled in the side, tread width narrowed, or the inside surface of the wheel carved out. Tread (indicators) marks on the outside edge of the wheel must be clearly visible on all 4 wheels. A wheel CANNOT be tapered to a sharp edge or radius (See picture, below). All 4 wheels need to be mounted straight on the vehicle. Each wheel's flat surface needs to be touching the ground while the car is in motion.

Good Wheel Example



The Following Wheel Modification is NOT ALLOWED

Radius



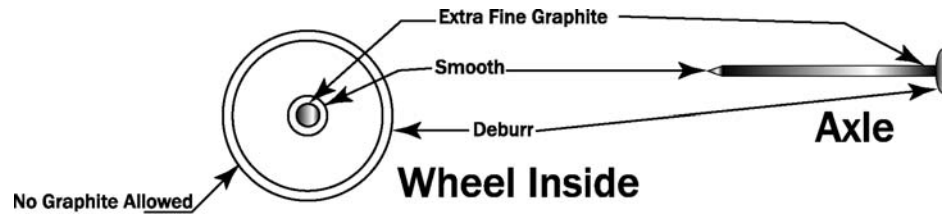
Point



Ridge



20. Graphite or other dry type lubricants will be the only lubricants allowed. No other types will be permitted. Lubrication must be done prior to official inspection only. PLEASE LUBRICATE THE FRICTION POINTS, NOT THE OUTSIDE OF THE WHEEL.

**Race:**

21. Behavior unbecoming a Scout by a participant or their parent/adult guardian may result in the participant's car being disqualified. Judges will generally warn casual infractions, but argumentative or abusive behavior will NOT be tolerated.
22. Any empty lane(s) will be filled with a "Pace Car" so that all lanes are filled for every run down the track.
23. Judges' determinations as to race winners are final.
24. Scoring: Every car will run the same number of times on each lane of its assigned track. The finishing positions will be awarded based on the lowest total time for the car after all passes down the track. In the highly unlikely event that there is a tie in cumulative times, (we measure to the 0.001 second), all cars that are tied for a position will draw a lane and will make one pass down that lane. The position that they finish will be used to break the tie.

DESIGN CONTEST JUDGING CRITERIA

There are no height, weight, or other specifications that apply to the cars competing in the Design Competition, except that the car must start out from the standard kit sold at the Scout Shop.

The Design Contest will be scored in each of the following categories:

1. **Uniqueness/Imagination** (0- 5 points)

This area will evaluate the conceptual thinking the Scout gave to his work as well as his attention to meeting all official derby specifications. Example: A car looking like a unique object such as a pencil, arrow, or modernistic sports car.

2. **Craftsmanship** (0- 5 points)

The section will consider the effort that was put into the fit and finish of the vehicle by the Cub Scout. Example: The smoothness of the surface, fit of the parts, gloss of the paint, etc. are checked.

3. **Color Usage** (0-5 points)

Here the usage of color is judged. Example: How and where different colors are used.

4. **Detailing** (0-5 points)

This is the area where the blending of all the parts that make up the car is evaluated. Example: How does the usage and placement of all parts contribute to the overall appearance?

5. **Graphics** (0-5 points)

The utilization of numbers, decals, painted symbols, etc. is judged as they relate to the car. Example: Here the judges would rate the contributions these items make toward the overall appearance of the car in the same way icing decorates a cake.

Judges' determinations of Design winners are final.