



2015 Watchung Mountain District

Pinewood Derby Rules



For questions on the rules contact: wmpinewood@gmail.com

1. New Car - Car must be built this year. Cars from earlier years are not valid.
2. Official Kit - The car MUST be built by the Cub with his parents' assistance from the "BSA: Official Grand Prix Pinewood Derby Kit".
3. Wheel and Axles - The car must use wheels and axles supplied in the official kit. (or the colored "Official Pinewood Derby Wheels and Axles" sold in our Scout Shops). Solid axles are not allowed. No springs or suspension systems. The built-in axle slots in the block MUST be used. Axles may be glued into the car. Any burrs or mold excess may be sanded or filed off. Axle may be polished and grooves are allowed. NO ROUNDING, DRILLING OR RESHAPING OF WHEELS IS PERMITTED. LATHED/LIGHTENED AFTERMARKET WHEELS ARE NOT PERMITTED - wheel modifications of this type are EASILY RECOGNIZED during pre-race inspection. The print on the outside and inside of the wheel must be visible or the car WILL BE disqualified. Excessive sanding or work done to wheels will not be permitted. No bearings, washers, bushings or other "non-kit" additions are allowed. All cars must have a total of FOUR rolling wheels (no more/no less) including those in the design category and must run with ALL four wheels EVENLY touching the track.
4. Self-Starting - Cars will be started simultaneously by gate lever.
5. Lubrication - Only dry powder graphite or white BSA Wheel and Axle Lubricant may be used to lubricate wheels and axles. No oil, grease or silicone lubricants are allowed.
6. Loose Items - Any decorations or added weight must be permanently attached to the car with glue, nails, screws, etc.
7. Weight - The car (including paint and decals) may be a maximum of 5 oz. The show scale will be official for all cars regardless of any other claims. Weight changes are permitted during the registration period, but not once the race has started.
8. Dimensions - The car must be 7 inches or less. The car must be 2 3/4 inches wide or less, including wheels. The wheels must be 1 3/4 inches apart, from inside of left to inside of right. The car must have clearance above the track of at least 3/8". The car must not exceed 3" in height. These dimensions apply to ALL cars including those in the design category.



9. Race Officials - To ensure fairness, race officials will make final judgments on the qualifications of all cars. Race officials will suggest reasonable adjustments in the cars before any disqualification.

10. Impound Area - After registration no cars will leave the impound area. Re-lubricating of wheels will not be permitted once the cars are impounded.

11. Crashes- If a car leaves the track or a wheel comes off before the car reaches the finish line, the race will be re-run at the end of each division heat. This will allow ample time to repair or redistribute weight. The owner will make all repairs and have car re-weighed. All heat final times will count for cars that are in a race when a car leaves the lane, as long as that car did not interfere with any of the cars. If the car caused interference they will also re-run that heat at the end of the division heats.

12. Race format - Will be announced prior to the beginning of the derby by race hosts.

13. Late Entries – **No on site registrations will be accepted. Absolutely no registrations will be accepted after deadline date.**

14. Participants – All cars must race in a local pack Pinewood Derby prior to participation in the district race. Exceptions may be granted by the district committee, no later than the regularly scheduled district committee meeting before the Pinewood Derby. Racers **MUST** be present for their cars to race.

15. Divisions of the Race - The district will recognize Tigers, Wolves, Bears, Webelos I, Arrow of Light* (*NOTE: While 5th graders currently in Arrow of Light dens will have joined Boy Scout troops by March 15, they will be allowed to participate in this event with their former packs) Most Original Design**, Best of Show** (**NOTE: These entries will NOT race in regular divisions. They are entries for design only; wheel and dimension specifications/restrictions apply) The district reserves the right to combine divisions based on participation. The top three winners from each pack are invited to participate.

16. Facing - Race participants may determine the facing of their car on the track, provided the car design does not in any way provide an advantage to the car's starting position. All cars will be marked at check in with an orange round sticker placed on the top front section of each car to designate which way the car should face on the track. All cars will be started without advantage provided by car design and starting gate configuration. Race officials have final authority on this issue, repairs will be allowed if car needs adjustments to meet such requirements. To increase Scout participation in the event, Scouts will be permitted to place their cars on the track prior to starting. A race official will assist in this process to make sure cars are facing the right way, aligned properly and not rubbing the rail at the starting gate. If a car is accidentally placed backward, please do not hesitate to inform a race official immediately so that the race can be re-run. Facing of the cars will be checked by two race officials prior to each race.