



District Pinewood Derby Rules for the 2024-2025 Cub Program Year

All cars must pass inspection to qualify for the race. The inspection points are:

1. Pinewood Derby Cars must have been made in the CURRENT program year.
2. Scouts must use the standard BSA Cub Scout Pinewood Derby kit.
3. Wheels must be official BSA Pinewood Derby wheels, in any color. And all 4 wheels must be on the car.
4. Axles and body wood shall be as provided in the kit. NOTE: Only the nail axles that come with the BSA kit are acceptable but they can be bent.
5. You must use the slots that come with the car. You may true up the slot but they must not be moved. If they are moved the car will be disqualified.
6. Wheel bearings, washers, and bushings are prohibited.
7. Wheels may not be altered in any way, other than painted and mold projections on the wheel treads may be lightly sanded off, but the width of the wheel tread must not be made narrower or rounded.
8. The position of the wheels on the block of wood cannot be moved forward, backward, up, down, in or out.
9. *All four wheels must touch the track when the car is put on the starting line. Wheels that do not touch must be modified to comply or the car will be moved to the Open class race.*
10. The car shall not ride on any kind or type of springs.
11. The car must be freewheeling, with no starting devices.
12. No loose materials of any kind (such as lead shot) are permitted on the car.
13. Oil, grease, or silicone spray should NOT be used on the wheels or nail axles. Only powdered graphite is permissible as a lubricant on the nail axles.
14. If setting weights under the car make sure they are recessed (the car has to have clearance underneath for the track guide). Do not move the wheels in or out for the same reason.
15. The width of the car shall not exceed 2 3/4 inches.
16. The length of the car shall not exceed 7 inches.
17. The weight of the car shall not exceed 5 ounces. NOTE: All cars will be weighed on the official scale. Any car weighing over 5.0 ounces must be adjusted at weigh-in. Tools will be available for a parent or guardian to trim excess weight from the car.
18. Any details added to the car must be within length, width, and weight limits.
19. *3D printed parts can be used and allowed given that the original parts (Wood body, wheels and axles) are still used and rules pertaining to each are still followed. In essence, if someone wants to add a body kit, shell or accessories for design that are 3D printed that is allowed given that the overall dimensions are within the mentioned limits.*
20. A parent or adult guardian must be present with the Cub Scout during weigh-in and registration, unless prior arrangements were made with the Race Committee. Cars not weighted in can not race.