

Canoe on Wheels

Pinewood Derby Rules - 2010

Car Specifications

1. Physical Dimensions

- Width - 2 3/4 inches
- Length -Not over 7 inches
- Weight - Not over 5.000 ounces
- Bottom Clearance - at least 3/8 inches between car and track
- Car height must not exceed 6 Inches in height from the ground to the highest point.

[2. All cars raced must be built for use this year, cars that show signs of age or are recognized from previous years will be disqualified! Period.](#)

3. Cars must be built only from materials obtained from the official BSA car kit. This kit comes in a block or a wedge, and has 4 regulation wheels, and 4 regulation nail axles. **NOTE:** The approved kit is the [NAIL AXLE KIT!](#) Absolutely no other axles are allowed this year. (Email the event coordinator Dan Tuskey at dtuskey@live.com if you need any clarification on why this is going to be this way.)

Official Pinewood Derby® Car Kit



The official BSA Pinewood Derby® car kit has been the choice of Cub Scout champions for more than 40 years. Our kit contains one car body with wheels and axles.



WARNING:

Choking hazard. Small parts. Not for children under 3 years.



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Retail Price: \$3.99



5420
PineCar Wedge Kit
Block, Wheels & Nail Axles (4 ea.)

In Stock
\$3.99

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NO OTHER CARS OR PARTS WILL BE ALLOWED INCLUDING BUT NOT LIMITED TOO:

- Thunderbolt Axles (These may look like the standard, but we will be checking!)
- Solid one piece Axles (No axles other than the kit nails will be allowed. Period.)
- Any wheel other than the kit provides!
- Pre-fab bodies. Your car **MUST** begin with the block or wedge from the BSA kit. Period.

4. Specifically prohibited list of modifications:

- No springs
- No magnets
- Wheels can not be modified in any way
- No wet paint on cars
- No wet lubricants
- No dry powder graphite or dry powder Teflon
- No starting devices - car must be free wheeling
- No wheel bearings, washers, covers, or bushings
- No paint on wheels
- No one piece axels
- No silicon spray
- No axles other than what is supplied with the official kit
- No wheels other than what is supplied with the official kit
- Anything that gives your child's car an mechanical advantage.

Bottom Line on Car Design: Let your kid have fun creating the car with you ... and if they win ... they win.

5. Details are allowed, but car must meet the physical dimensions, and details must be permanently attached.
6. Axle grooves may be re-cut, and wheel base modified, but car must meet all physical specifications.
7. No loose materials of any kind are allowed on or in the car.
8. The front edge of the car must be behind the starting peg. (So that 100% of the car is behind the starting peg and no part of the car sticks out in front of the starting peg.).
10. Burrs can be removed from the axle and/or wheels, but the entire wheel and axle can not be treated.
11. Structural strength is gained only from the wood body. No metal frames or metal axle supports are permitted.
12. Body design can be enhanced by adding wood and wood filler or by adding plastic or metal decorations from any source.
13. At least 3 wheels must touch the ground at all times.

Ground rules

1. Judges will determine the First, Second and Third place finishers in each race.
2. All decisions by race officials and judges are final and not subject to appeal.
 1. Any dad who contests the results of any race will have their child's car immediately disqualified.
3. Each car must pass inspection by the official Inspection Committee before it may compete. If, at registration, a car does not pass inspection, the owner will be informed of the reason for the failure, and will be given time within the official weigh-in time period to make adjustments.
4. There will be at least two judges at the finish line. These judges will determine the finishers. A third judge will be recording the finish line, and the judges may use this as replay if needed. If judges disagree about a race outcome, they can call it a tie, or they can decide to re-run the race.
5. Any participant (including parents of participants) may appeal to the Race Commissioner for an interpretation of these rules. The decision of the Race Commissioner shall be final.
6. Heats may be re-run at the discretion of the race officials (ie. fouled track, broken car, etc.).
7. After final approval, cars will be re-inspected if they are damaged in handling or in a race.
8. If a car is damaged, the owner will be allowed 5 minutes to make repairs.
9. Good Sportsmanship will be observed by all during the Derby! Cars will be disqualified if a child or the parents display unsportsmanlike conduct on the race site.
10. If a car jumps the track, the race will be run again. If the same car jumps the track a second time, that car will automatically place last in that race.
11. Each child may enter only one car in the competition. Several cars may be constructed, but only one may be registered and raced.
- 12. Only race officials and Scouts participating in the current race may enter the track area. This rule will be strictly enforced.**
13. Each participant will race his car on the day of the Pinewood Derby. No proxy drivers allowed.
14. Any racer that re-lubricates his car, adds weight to his car or otherwise alters his car during the race will immediately be disqualified.
15. Cars can not be modified or lubricated after impoundment.
16. From impoundment until the finish of the race, only the owner of the car can handle it.
- 17. Weight may be subtracted at weigh-in, but no weight can be added.**
18. Each car will be issued a number at registration time.
19. After registration, a car will be inspected for rules compliance.
20. After rules compliance is met, the car will be impounded by the racing committee.

General Event Rules and Guidelines:

Cars will be raced head to head. We will run double elimination races, so that imperfections on the track are eliminated. Best two out of three wins the heat.

Awards will be announced shortly after all heats have been run. The drivers and their partners will report to the winners circle for their awards as their names are called.

First will be the tribal competitions. Each tribe will race amongst themselves with the winner advancing to the finals competition in one of several divisions. Any tribe with less than 4 entries will be placed in a combined tribal contest with other tribes.

1st, 2nd, and 3rd place awards will be given to each tribe. Each tribe will also have a winning ribbon for: Most Colorful, Best Decorated, and most Native American Theme.

There will be four divisions:

K-1st Grade Princesses

K-1st Grade Guides

2nd -3rd Grade Princesses

2nd-3rd Grade Guides.

There will be NO MODIFIED DIVISION this year, and NO ADULT DIVISION this year.