

BOONSLICK

PINEWOOD DERBY RULES

WHO IS ELIGIBLE:

Scouts finishing 1st, 2nd, or 3rd in a race or design competition at the Pack level are eligible. A maximum of six cars from each category (i.e., Kindergarten through 5th grade) are eligible to compete in the district competition, with a maximum of three in the race and three in the design categories. The grade the Scout was in during the Pack competition determines the grade category they will compete in at the district event. The Scout does not need to be present for their car to be entered in the race or design competition. Boys and girls compete together by grade category.

MECHANICAL DETAILS:

The pinewood block, nail type axles, and supplied plastic wheels to construct the basic car. The car must be essentially materials from one official kit. Details may be added to enhance the car's appearance.

1. **WIDTH/LENGTH:** Overall width shall not exceed $2 \frac{3}{4}$ inches. Overall length shall not exceed 7 inches.
2. **WEIGHT:** Weight shall not exceed 5 ounces or 142 grams. Scale used will be lab grade and calibrated.
3. **CHASSIS:** Inside distance between the wheels shall be $1 \frac{3}{4}$ inches minimum and 2 inches maximum. There shall be at least $\frac{3}{8}$ inches of ground clearance. New axle slots may be made on the body. No part of the car may extend past the starting gate. The starting gate extends 1 inch above the track and must contact the front most point of the car.
4. **WHEEL BEARING:** Washers, bushings, roller bearings, ball bearings, etc., are prohibited. Hub caps are allowed.
5. **WHEELS:** Must be official BSA issue. The mold lines on the wheels may be sanded smooth. The wheels may not be narrowed, rounded, or otherwise significantly altered. Flat style wheels on running surface.
6. **SPRINGS:** The car shall not ride on any type of springs.
7. **ATTACHMENTS:** The car must be freewheeling with no starting devices.
8. **DETAILS:** Details/accessories such as steering wheel, driver, decals, painting, interior detail are permissible as long as #1, #2 and #3 are not violated. 'Detailing' must not violate the spirit of the "model being essentially built from the official BSA kit".
9. **LUBRICATION:** Only dry powered lubrication will be allowed on the wheel axles. Wet lubricants may soften the plastic wheels.
10. **SAFETY:** MERCURY will not be allowed to add weight.

11. No loose materials of any kind are permitted in the car.

OPERATIONS:

1. **ORIENTATION:** The front of the car must be identified by placing an "F" on the underside of the car between the front wheels. Race officials are not responsible for incorrect placement on unmarked cars on the track.
2. **INSPECTION:** Each car must pass an inspection by the District Racing Committee before it may compete. The inspectors have the right to disqualify those cars not meeting these specifications.
3. **PROTESTS:** Any decision by the Committee will be final. Any protests regarding any action(s) by the people operating the Derby must be made immediately. If it is not done immediately, and in a sportsmanlike manner, the protest will not be accepted.
4. **MODIFICATIONS:** No alterations, lubrication, etc. will be permitted after the official inspection. Emergency repairs will be allowed with permission and supervision of the race officials.
5. **Design judging** will be done by the Scouts voting with tokens during a design judging period. For each model entered, the Scout will receive 3 tokens. Scouts vote for the age group they are entered. Top 3 in each category will be recognized.
6. **Racing** will be done on electronically timed tracks. Each car will run at least once on every available lane. Each car's time is the sum of its runs.

