



Pack 17 Cub Scout Pinewood Derby Rules

Car Specifications

- Width — 2 3/4"
- Length — 7"
- Width between wheels — 1 3/4"
- Bottom clearance between car and track — 3/8"
- Height — Any
- Wheelbase (dimension between front and rear axle) – Any
- Weight — Not over 5 ounces
- Wheel count – Any
- Wheel bearings, washers, bushings and springs are prohibited.

Rules

- Car body must be fashioned from the wood block from the official Pinewood Derby Box
- Only official Cub Scout Grand Prix Pinewood Derby wheels and axles are permitted.
- The wheels must have BSA imprinted on them to show they are BSA authorized. Colored/glowing BSA wheels are allowed. BSA wheels may be polished or tuned but not narrowed
- Only dry lubricants are permitted
- Any details, such as steering wheel and driver are permissible as long as these details do not exceed the maximum length, width and weight specifications
- The car must be free-wheeling, with no starting devices
- Each car must pass inspection. If rejected, the owner will be informed of the reason for failure, and will be given time within the official weigh-in time period to make adjustment
- After final approval, cars cannot be altered unless the car is damaged in handling or in a race
- Racers cannot reuse a car from previous years, builds must begin after the last years' race
- Car must be built by the scout from the components in the box but help from others is OK and encouraged in all aspects. Parents, friends and others are allowed and advised to help in whatever capacity is needed but the scout must be the primary designer and involved and present in all aspects of the build
- Axles may be polished or treated in any manner as long as they are made solely out of the BSA provided nails and possibly dry lubricant
- Awards will be presented to the fastest of each rank and the fastest overall in the pack
- Any car that fails to meet the rules will be automatically moved to the unlimited class and given the opportunity to race and win there
- A scout can run more than one car, but only one car can run in the regular class. The rest will run in unlimited
- Non-scouts, siblings, friends and parents are all welcome to participate in the unlimited class
- Cars can be run without the scout attending, but must be submitted during check in and inspection

Unlimited Class

- Car must fit in a single lane and must not pose any apparent threat of injury to the track, property, participants and/or spectators
- Car must be powered solely by gravity
- 5 oz weight limit still applies for awards but cars of any weight may be run without competing
- No other rules apply, so the car may be built using any means or material

3D Printed Class

- If we have enough 3D printed cars entered, we will have a special 3D printed class
- All Unlimited Class rules still apply