

2010-2011 Huron Trails District Official Pinewood Derby Rules

WEIGH-IN INSPECTION: All derby racer cars **MUST** pass inspection and be weighed-in during the official date and time. After passing inspection the car will be handled **ONLY** by committee members until eliminated from event. If during the race a car becomes in need of repair, the Cub Scout and his parent/guardian will be allowed to repair car in an officially designated area while being observed by a committee member. All repairs must be made in a timely manner, not to delay the race more than a few minutes.

GENERAL RULES:

1. Each Pack may send one scout from each rank to participate in the District Championships. If the rank winner is unable to participate, then an alternate may be chosen.
2. The car **MUST** be newly built for the current Cub Scouting year.
3. Car is to have a wood body, 4 wheels and 4 nail style axles. Only official BSA Grand Prix Pinewood Derby wheels (see note 1) and axles are allowed.
4. The wood body is to contact the starting pin. Nothing may protrude in front of the starting pin.
5. Winning cars may be subject to post-race re-inspection at the sole discretion of race officials.
6. The final decision of whether a car is legal and qualified to race shall be entirely at the discretion of the race officials present.
7. Poor sportsmanship conduct by either the Cub Scout or his parent(s) will result in the disqualification of the Cub Scout. Whether winning or losing, Cub Scouts are expected to display good sportsmanship and act dignified at all times.

DIMENSIONS and CLEARANCES:

1. The maximum overall width of car, including wheels & axles, shall not exceed 2 3/4(2.75) inches.
2. The minimum width between the wheels shall be 1 3/4(1.75) inches.
3. The minimum clearance between the bottom of car (including weights) and track surface shall be 3/8(0.375) inch so the car will clear the center guide strip on the track.
4. The maximum overall length shall not exceed 7 inches.
5. The maximum overall height shall not exceed 4 inches so car will clear timing mechanism.
6. The wheelbase (distance measured from the centers of front & rear axles) may not exceed 4-3/8 inches.

WEIGHT and APPEARANCE:

1. Total car weight shall not exceed 5 ounces on the official scale.
2. If lead is used, it must be embedded, covered or coated so as to prevent skin contact.
3. All added weight and decorative items must be firmly attached. No liquids or loose materials of any kind are permitted in or on the car.
4. Purely decorative items are allowed, if they meet the dimension or weight specifications.
5. Cars with wet paint, coating, glue or finish will not be accepted.

WHEELS and AXLES:

1. Wheels may be sanded or polished to smooth out molding imperfection. This is the only modification allowed. Modifications such as reshaping, thinning, or lathe turning are prohibited.
2. Axles may be straightened, smoothed and polished to remove burr marks. Axle modifications, such as grooving, or machining to reduce diameter are prohibited.
3. Wheel or axle bearing, washers, bushings, pads and hubcaps are prohibited.
4. The car shall not ride on any type of suspension made from components other than official BSA.
5. The car must be freewheeling, with no starting device or other type of propulsion.

LUBRICATION:

1. Only dry lubricants such as graphite will be allowed for lubricating wheels and axles.
2. Additional lubrication will not be allowed after car has been weighed in, or during race.

NOTES:

1. May use black or colored of either "new" BSA wheel or old wheel. "New" wheel reads on outside of wheel BSA PINWOOD DERBY®, old wheel reads BSA PINWOOD DERBY™.

Rev 5/19/10