

Twin Valleys District 2010 Pinewood Derby Rules

1. Your Pinewood Derby car must be made from the materials included in the official B.S.A. Grand Prix kit. Materials from the kit may be supplemented but not replaced. Construction of the car for the year's upcoming Pinewood Derby event must have been started after the previous year's event. Axles, wheels and body wood may not be substituted.

2. Specifications: Width $2\frac{3}{4}$ inches MAXIMUM

Length: 7 inches MAXIMUM

Underside Clearance at least $\frac{3}{8}$ inch MINIMUM

Weight 5.000 ounces MAXIMUM

Wheelbase* Distance between the front and rear axles center to center, may not be changed from the kit body distance of $\frac{43}{8}$ inch. All four wheels must touch the track at the same time.

Height: shall be no more than $2\frac{3}{4}$ inches from the bottom of the wheel to the top of car including ornaments or other do-dads.

3. **Modified wheels are not permitted.** Wheels may be sanded to remove imperfections, but the surface of the wheel that touches the track must be left flat (see diagrams below).

4. Wheel bearing, washers, and bushing are not permitted. The outside end of the axle shall not be covered to obstruct inspection.

5. All four wheels on the Pinewood Car **MUST** be touching the ground at the same time at inspection. Car not available after insp.

6. Details such as decals, painting, and other exterior and interior trim may be added as long as they do not cause the car to exceed any of the specifications above. Loose materials that may interfere with the starting gate, timing mechanism, or other cars are not permitted.

7. The use of graphite is allowed, although if used it must be applied before entering the building where the races are occurring. Only dry lubricant is permitted.

8. Each car must pass inspection before it will be allowed to compete. The inspectors have the right to disqualify those cars that do not comply with the rules listed on this sheet.

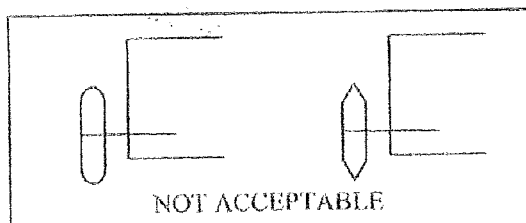
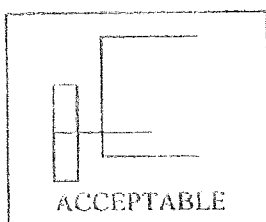
9. An area will be provided where a car that fails inspection may be modified to conform to the rules. In the interest of time, a maximum of two additional inspections will be permitted. Cars failing the third inspection will be disqualified.

10. Each Pack may enter no more than **ONE BOY IN EACH CLASS** (Tiger, Wolf, Bear, Webelos I, Webelos II). Pack ties are to be resolved prior to the District race. The class of each boy is determined by his Den assignment at the time of the Pack Pinewood Derby.

II. Pack leaders and parents, are reminded that the spirit of the Pinewood Derby, as with all Cub Scout activities, is FUN. Overemphasis on competition will detract from the fun.

12. Only the original wheelbase and axle slots may be used on the Pinewood Car. Custom drilled axles will not be accepted

13. Print name of scout and year made on bottom of car.



NOTE - DO NOT MOVE THE WHEELS IN; OUR TRACK HAS A RAISED CENTER PORTION AND WILL NOT PERMIT RACING OF A CAR WITH NARROWER WHEEL SPACING