

PINEWOOD DERBY RULES AND SPECIFICATIONS (2010 Revision)

These are the rules for Yocona Area Council races. Rules may differ, so be sure to read and abide by the rules for your race. The Pinewood Derby is open to all Cub Scouts (including Tiger Cubs). The intent is for the boy to have the satisfaction of building his own car from the materials kit. Guidance and assistance should be given by capable adults. Encourage adults to remember that this race is for the boys and not for the adults. (Packs may have a separate Pinewood Derby competition for adults.)

The following lists of Rules and Specifications were adopted by the 2000 Council Program Committee to govern District Pinewood Derbies and Council Pinewood Derbies. Revisions made by Pinewood Derby Committee.

Rules:

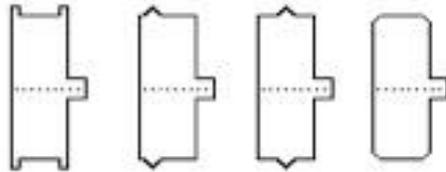
1. Each car must be constructed from the original equipment found in the BSA Grand Prix Kit #17006 and/or BSA approved parts. (No Hobby Lobby Car Kits, etc.)
2. The cars are to be made by the Cub Scout with assistance and guidance from the parents/guardians.
3. The race will be double elimination. District Races and individual Pack races can make their own choice on how they want to run their race. The Council race will be a timed race.
4. After the car has been registered and assigned a number the Cub Scout will not be allowed to handle the car until after the race. No cars will be registered after the race begins.
5. Rules for the construction of the car will be the same as those found in the BSA kit #17006 as well as the rules specified here.
6. All cars should be built during the current school year. Same car that qualified in District has to be used in the Council race.
7. Cars that fail to cross the finish line or interfere with other cars during the race more than one time will be eliminated.
8. Failure to comply with any rule or specification will mean automatic disqualification.
***Remember ALL decisions by judges are Final.**

Racing Specifications:

1. WIDTH - The overall width of the car shall not exceed 2 $\frac{3}{4}$ inches.
2. LENGTH - The overall length of the car shall not exceed 7 inches.
3. WEIGHT - The car weight shall not exceed 5.0 ounces (or 142 grams). No loose material of any kind is permitted in the car. The car may be hollowed out and built up to the maximum weight by the addition of wood or metal only, provided it is securely built into the body. The official race scale shall be considered final.
4. Wheel bearings, washers, and bushings are prohibited.
5. Axels must be placed in grooves provided on kit. No moving forward or backward. No Solid Axle. Axles should be inserted into the axle slots provided in the car kit.
6. The only modifications of wheels accepted will be the removing of mold projections from the center seam of the wheel. No narrowing, grinding or reshaping of any kind and "No special wheels" permitted. No coning of inside hub/no v-cut/no California cut/ no h-cut. (Please look at the example at the end of this document)
7. SPRINGING – The car shall NOT ride on any type of springs.

8. **DETAIL** – Details such as steering wheels, drivers, decals, painting, etc. are permissible as long as these details do not exceed the maximum length, width, and weight of the car and are securely attached.
9. **ATTACHMENTS** – The car must be free-wheeling, with no starting device.
10. **INSPECTION** - Each car must pass inspection by the official inspection committee before it will be allowed to compete. The Inspection Committee has the responsibility to disqualify those cars that do not meet these specifications.
11. Only dry-powdered graphite may be used as lubricant. *It's suggested that each boy bring a box or bag to help keep graphite off the floor and himself.

Samples of Improperly Finished Wheels



Such wheels will not pass inspection

Acceptable Wheel



Wheel has smooth surface