

PRAIRIE LAKES DISTRICT OFFICIAL PINWOOD DERBY RULES

To race in the District Pinewood Derby a Cub Scout must be a member of Indianhead Council and have qualified at the Pack level. Tiger cubs **are** eligible to race their cars in the District Pinewood Derby. Second year Webelos, even though they have registered with a Scout Troop, are eligible to race their cars in the District Pinewood Derby.

RULES

1. Each pack may enter four (4) cars for the race plus four (4) cars for the car show. Cars may not be entered in both competitions.
2. Trophies will be awarded for the top ten race finishers based on lowest total cumulative race times, and to the top ten show finishers based on the number of votes received from among the participants and spectators of the District Pinewood Derby. **The Cub Scout must be present and in uniform to compete.**
3. All cars, whether entered in the Derby Race or Show, must meet the same requirements regarding kits used to build it, maximum and minimum dimensions, weight, wheel finishing, etc. as described below.
4. After inspection, registration, and weigh-in the car will be impounded. Access to the car will not be allowed until the end of the event. Race officials may allow repairs when damage is caused by collision with another vehicle. Allowed repairs must be completed within three (3) minutes.
5. Each car will race six times (one race in each lane) with one warm up run.
6. If a car leaves the track in two consecutive races, it is disqualified. Exception: When car is caused to leave the track because of collision by another car.
7. Cars must be built within one year of running date. **No repeats.**
8. **Only official BSA Pinewood Derby kit and rules with parts supplied by the official kit may be used** - paint, cement, glue, trim and lubricant may be used. The recommended wheel and axle lubricant is dry, powdered graphite (spray on oils or silicones may soften the plastic wheels) although any lubricant may be used at the discretion of the builder. No hubcaps with lubricant in them allowed. No movable weights (i.e.; BB's, mercury, etc.).
9. Car will rest against a starting pin; therefore it is advisable that it not come to a sharp pin in front. Front ends should be no higher than 1/4" above the axle line.
10. **Cars ordered from Boy's Life have non-standard parts and are therefore not allowed to race at the Pinewood Derby.**
11. Follow the rules of the official Pinewood Derby kit:
 - a. Width - overall width shall not exceed 2 3/4". Inside wheel width shall be no less than 1 3/4" so that the car will clear the guide strip on the track (1 1/2" by 1/4" strip).
 - b. Length - overall length shall not exceed 7". No wheels or other material to extend beyond the starting line when the car is positioned on the lane.
 - c. Height not to exceed 3 1/2".
 - d. Weight shall not exceed 5 ounces (141.8 grams) - no loose materials of any kind are permitted in or on the car. Car may be hollowed and built to maximum weight by addition of wood or metal only, provided it is securely attached to the car. Additions must not result in improper track clearance. The bottom of the car must clear a flat surface by at least 3/8".
 - e. Wheel bearing, washers, and bushing are prohibited, as are any alteration of the wheels. **Tire width cannot be changed.**
 - f. The car shall not ride on springs of any kind.
 - g. Details such as steering wheel, driver, decals, painting interior detail are permissible as long as cars with these details do not exceed maximum weight, width, height, length and clearance of the official BSA Pinewood Derby kit.
 - h. **Only official Cub Scout Grand Prix Pinewood Derby wheels and axles are permitted.** Wheel covers or hub caps are prohibited, the end of the axle must be viewable for inspection.
 - i. The car must be free wheeling with no starting devices, including magnets.
 - j. **You may not change the wheel dimensions.** You may, however, sand the tread or tire-contact of the wheel to smooth out rough spots. Cannot round or V-shape wheels.
 - k. Inspection: Each car must pass inspection by the official inspection committee before it may compete. **The inspectors have the right to disqualify those cars which do not meet the specifications in the official rules.**
12. After cars are accepted, they will be isolated and can be handled only by starters and judges.
13. Cars entered in the Car Show will be put on display for judging only after all cars have been checked in.
14. The scale used at weigh-in at the derby is the official scale. Every effort has been made to accurately calibrate the scale on race day. However, differences may occur between the weights of cars measured at Pack races versus the weights measured at the District Race.