

REVISED 1/12/2012
Pinewood Derby Rules

1. LENGTH, WIDTH, HEIGHT, & CLEARANCE

- a. **Maximum overall width outside edge-to-edge of wheels 3". (Racecar body may not be wider than 2 ¾ inches).**
- b. **ALL cars must have four (4) wheels, car must / shall roll on all four (4) wheels**
- c. Minimum width between wheels shall be 1-3/4" so the car will clear the center guide strip.
- d. Maximum height shall not exceed 4-1/2" in order to clear the race timer.
- e. Minimum clearance between bottom of car and track shall be 3/8" so the car will clear the center guide strip.
- f. Maximum length shall not exceed 7".
- g. No part of the car can extend beyond the "release peg" at the beginning to the track. This rule is normally associated with the "inverted V" design cut into the hood of the car.

2. WEIGHT AND APPEARANCE

- a. Weight shall not exceed 5 ounces. The readings of the Official Race Scale will be considered final. The car may be hollowed out and built up to the maximum weight by the addition of wood or metal only, provide it is securely built into the body or firmly affixed to it. No loose materials of any kind are permitted in or on the car. The bottom of the car must be smooth in order not to damage the car stoppage area.
- b. Mercury or other liquids shall not be used for adding weight. Mercury is a potential health hazard.
- c. Details such as steering wheel, driver, spoiler, decals, painting and interior details are permissible as long as these details do not cause the car to exceed the maximum length, width, height, and clearance specifications.
- d. Cars with wet paint will not be accepted.

3. WHEELS AND AXLES

- a. Only the official Scout Grand Prix wheels and axles can be used. Wheels must have "Official B.S.A." stamped on the inside of the wheel rim.
- b. Wheels can be sanded to remove surface imperfections, but the surface that touches the track must be left flat and at least 114 wide".
- c. Wheel bearings, washers or bushings are prohibited.
- d. The car shall not ride on any type of springs.
- e. The car must be free-wheeling with no starting device or other propulsion.
- f. **The wheel base (distance between the axles) must not be changed from the standard original axle grooves in the supplied wooden block.**
- g. **The axle nails shall be firmly affixed to the wood of the car body, and MUST be places in the original axle grooves in the supplied wooden block.**
- h. Hubcaps or similar items used to keep the wheels lubricated are prohibited.
- i. Spoke Wheels and/or modified wheels are prohibited.

4. LUBRICATION

- a. Only dry powdered lubricants, such as graphite, may be used. Regular oils and silicone sprays may often soften the plastic wheels.
- b. Cars must be lubricated before registration. No further lubricants will be permitted.

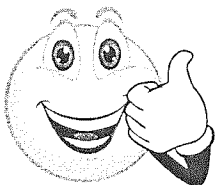
5. GROUND RULES

- a. The race is open to all Cub Scouts and Webelos Scouts registered in the CHEROKEE TRACE DISTRICT. The Open Division bracket is open to registered Cub or Boy Scouts from the CHEROKEE TRACE DISTRICT, any family members of these Scouts, Scout leaders from the CHEROKEE TRACE DISTRICT, and race officials. Only one Open Division entry per participant.

- b. Cars must have been made for this race with all the work on all the parts being done since the completion of last year's race. Cars made for previous derby are not permitted.
- c. Pinecar or similar pre-cut race bodies normally purchased at hobby shops are not permitted. If you mess up on your car body, wheels, or axles you can purchase official Boy Scout replacement parts at the Boy Scout Office in Tyler at 1331 E. 5th St. across from TJC. Plastic outer car bodies are allowed in open Division only.
- d. After meeting weight and inspection requirements the cars are registered with your car number being attached to the back of your car. It will then be placed on the table by a race official for competition. Once the car has been registered, NONE of the cars will be allowed to be handled by the boy, leader, and/or parent unless they have permission from the chairperson.
- e. Cars will be placed in divisions by scout rank for competition. (Tiger, Wolf, Bear, Webelos I, Webelos II, and Open Division)
- f. Overall winners for each scout rank and Open Division will be based upon the total of the three race times recorded with the lowest time being ranked first.
- g. All **four** wheels must continue to touch track throughout the race.
- h. If a car jumps off the track prior to the timer, loses an axle, or breaks a wheel it can be repaired if possible and rerun by itself on the same lane after all the races for that rank are completed. If they choose to rerun then the original time must be replaced by the rerun time. If the car cannot be repaired, the car must forfeit from the competition. The car must be repaired within 5 minutes, or by the time the car is called for its next race, whichever is longer. If a car jumps from the track loses an axle, or breaks a wheel a second time it must forfeit from the competition.
- i. If a car (or parts of it) leaves its lane and interferes with another car, the car interfered with has the option to rerun by itself on the same lane after all the races for the rank completed. If they choose to rerun then the original time must be replaced by the rerun time.
- j. Only Race Officials and Scouts involved in the current heat(s) are permitted in the track area.
- k. Cars racing in the Open Division must meet all the above requirements except section 5 (b).
- l. Cars entered in the Cherokee Trace District pinewood derby race **must** be the car that won at the pack level. New cars will not be allowed.

6. INSPECTION AND DISPUTES

- a. Each car must pass inspection by the Official Inspection Team before it may compete. The inspection team has the right to disqualify those cars, which do not meet these rules. Car owners will be informed of the violations and given an opportunity to modify the car to meet these rules.
- b. Any participant (including the parent of the participant) has the right of appeal to the Race Committee for an interpretation of these rules. The Race Committee, by majority vote, will be the final judge of these rules. In case of a tie vote, the decision of the Race Committee Chairperson will be final.
- c. **GOOD SPORTSMANSHIP AND BEHAVIOR IS EXPECTED: Ungentlemanly or unsportsmanlike conduct by any participant or member of the audience will be grounds for expulsion from the competition and/ or grounds.**



Have fun at the Pinewood

Derby