

Scenic Trails Council Official Pinewood Derby Rules

1. LENGTH, WIDTH & CLEARANCE

- a. Maximum overall width (including wheels and axles) shall not exceed 2-3/4".
- b. Minimum width between wheels shall be 1-3/4" so car will clear the center guide strip.
- c. Minimum clearance between bottom of car and track shall be 3/8" so car will clear the center guide strip.
- d. Maximum length shall not exceed 7".
- e. The wheelbase (distance between front and rear axles) may not be changed from the kit body distance of 4-1/4".

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 and metal only, provided 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.
- b. Mercury shall not be used for adding weight. It is a potential health hazard.
- c. Details such as steering wheel, driver, spoiler, etc. are permissible as long as these details do not exceed the maximum length, width and weight specifications.

3. WHEELS AND AXLES

- a. Only the official Scout Grand Prix wheels and axles can be used. Axles may be polished. Wheels may be lightly sanded to remove the mold projection on the tread. This light sanding is the only wheel modification allowed. Beveling, tapering, thin sanding, wafering, or lathe turning of the wheels is prohibited.
- b. Wheel bearings, washers or bushings are prohibited.
- c. The car shall not ride on any type of springs.
- d. The car must be free-wheeling with no starting device or other propulsion.

4. LUBRICATION

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

5. GROUND RULES

- a. The race is open to all Scouts registered in the district.
- b. Cars must have been made for this race. Cars made for a previous derby are not permitted.
- c. The race will be a double elimination conducted according to age classification.
- d. If a car jumps off the track, the heat will be run again. If the same car jumps off the track a second time, it will automatically lose the heat.
- e. If a car leaves its lane and interferes with another car, the heat will run again. If the same car leaves its lane a second time and interferes with another car, the heat will be run again without the interfering car, which will automatically lose the heat.
- f. If a car suffers a mechanical problem, loses an axle, breaks a wheel, etc. and a repair can be affected in a reasonable time, the heat will be run again. If not, the car will automatically lose the heat.
- g. The scoring of the electronic finishing mechanism will be final.
- h. Only race officials and boys racing will be permitted into the registration and track area. This rule will be strictly enforced.

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 a 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 Chairman will be final.
- c. Unsportsmanlike conduct by any participant or member of the audience will be grounds for expulsion from the competition and/or race area.