

**OFFICIAL 2004 PINEWOOD DERBY RULES  
THOMPSON-POUDRE DISTRICT  
LONGS PEAK COUNCIL  
BOY SCOUTS OF AMERICA**

**These rules are for cars presented at the Thompson-Poudre District competition, cars presented at this level will abide by these rules. These rules are intended for Thompson-Poudre District level competition and supersede all other rules governing the construction, racing and judging of BSA Pinewood Derby entries.**

**Entrants may build one car only for Best of Show or Racing, not both.  
An entrance fee of \$2.00 per entry is required.**

**RACE DIVISION**

**1) LENGTH, WIDTH, & CLEARANCE:**

- a) Maximum overall width (including wheels & axles) shall not exceed 2 ¾ inches.
- b) Minimum width between the inside edge of the wheels shall be 1 ¾ inches.
- c) Minimum clearance between the car bottom and the track shall be 3/8 of an inch.
- d) Maximum overall length will not exceed 7 inches.
- e) The wheel base (distance between front and rear axles) may be changed however the axles must be parallel (i.e. the measured distance between the axles must be equal on both sides of the car).
- f) Maximum height from the track to the top of the car shall not exceed 3 inches.

**2) WEIGHT & APPEARANCE:**

- a) Cars weight shall not exceed 141.75 grams (5 ounces). Readings of the Official Race Scale will be considered final. The car may be hollowed out and built up to the maximum weight by adding **solid materials only**, provide they are firmly attached, or built into to the car. No loose materials are allowed (i.e. not rattling).
- b) The original pine block received in the kit must be used. Additional materials may be added as long at the length, width, height and weight limitations noted in Section 2a are met.
- c) Use of Mercury for adding weight **will not be allowed**.
- d) Details such as steering wheels, drivers, spoilers, decals, painting and interior details are permissible as long as these details meet the length, width, height and weight limitations noted in Section 2a.
- e) Cars with wet paint or any other wet spray-on material will not be accepted.
- f) **NO PRE-MANUFACTURED WOOD BODIES ARE PERMITTED.**

**3) WHEELS AND AXLES:**

- a) Only the Official Scout Grand Prix wheels and axles may be used and must display *Official BSA* imprint on inside of hub. Official BSA wheels and axles may be altered by entrants provide the Official BSA imprint remains legible.
- b) Wheel bearings, washers, or bushings of any kind are prohibited. The wheels may only contact bare wood, painted wood, and the axle.
- c) Axles must be attached to the wood body and not onto/into another material attached to the car.
- d) Hubcaps of any kind are not allowed.
- e) The car shall not ride on any kind of springs.
- f) The car must be free wheeling with no starting device or other propulsion.
- g) Only the wheels may be used to guide the car down the track. No rollers, or similar devices, may be used to guide the car.

**4) LUBRICATION:**

- a) Only dry powdered lubricants, such as graphite, may be used.
- b) Cars may be lubricated before inspection. No further lubrication will be permitted.

**5) GROUND RULES:**

- a) Cars must have been made for this school year's pack level race. Car's from a previous years derby are not permitted.
- b) If a car jumps off the track, or leaves its lane, the heat will be run again. If the same car jumps off the track a second time and it is determined not to be a track problem, the heat will be run again without the interfering car. The interfering car will lose the heat.
- c) If a car suffers a mechanical problem (i.e. loses and axle, wheel, etc.), the repair must be accomplished within 10 minutes and then the heat will be run again. If repairs cannot be made within the 10 minute period the car will lose the heat.
- d) Only Race Officials will be permitted into the registration and track areas. **THIS RULE WILL BE STRICTLY ENFORCED.**

**6) INSPECTIONS & DISPUTES:**

- a) Each car must pass inspection of the Official Inspection Team before it may compete. The Official 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 before the first heat is run. Any car found to be in violation of this rule after having run one or more heats will be disqualified.
- b) The top three cars will be subject to further inspection at the Official Race Judge's discretion.
- c) Any participant (including parent of the participant) has the right of appeal to the Rules Committee for an interpretation of these rules. The Rules Committee, by majority vote, will be the final judge of these rules.
- d) Ungentlemanly or unsportsmanlike conduct by any participant or member of the audience will not be tolerated and will be grounds for expulsion from the competition and/or race area.

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**BEST OF SHOW DIVISION**

**1) LENGTH, WIDTH, & CLEARANCE:**

- a) Maximum overall width (including wheels & axles) shall not exceed 2 ¾ inches.
- b) Minimum width between the inside edge of the wheels shall be 1 ¾ inches.
- c) Minimum clearance between the car bottom and the track shall be 3/8 of an inch.
- d) Maximum overall length will not exceed 7 inches.
- e) The wheel base (distance between front and rear axles) may be changed however the axles must be parallel (i.e. the measured distance between the axles must be equal on both sides of the car).
- f) Maximum height from the track to the top of the car shall not exceed 3 inches.

**2) WEIGHT & APPEARANCE:**

- a) Cars weight shall not exceed 141.75 grams (5 ounces). Readings of the Official Race Scale will be considered final. The car may be hollowed out and built up to the maximum weight by adding **solid materials only**, provide they are firmly attached, or built into to the car. No loose materials are allowed (i.e. not rattling).
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**3) WHEELS AND AXLES:**

- a) Only the Official Scout Grand Prix wheels and axles may be used and must display *Official BSA* imprint on inside of hub. Official BSA wheels and axles may be altered by entrants provide the Official BSA imprint remains legible.
- b) **NO PRE-MANUFACTURED WOOD BODIES ARE PERMITTED.**

**4) LUBRICATION:**

- a) Not applicable to Best of Show Division

**5) GROUND RULES:**

- a) Cars must have been made for this school year's pack level race. Car's from a previous years derby are not permitted.
- b) Only Race Officials will be permitted into the registration and track areas. **THIS RULE WILL BE STRICTLY ENFORCED.**

**6) INSPECTIONS & DISPUTES:**

- a) Each car must pass inspection of the Official Inspection Team before it may compete. The Official 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 before the first heat is run. Any car found to be in violation of this rule after having run one or more heats will be disqualified.
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