



# Blue Grass Council

## Official Pinewood Derby Rules and Specifications

### **CAR SPECIFICATIONS (Cub Scout Classes):**

**Width:** The width of the car may not exceed 2.75 inches.

**Length:** The overall length of the car may not exceed 7.00 inches.

**Weight:** The total weight of the car may not exceed 5 ounces.

**Ground Clearance:** The minimum ground clearance must be at least 0.375 inches.

**Car Front:** The front-most edge of the car cannot extend past or around the starting pin and must contact the pin at a height not to exceed one 1.75 inches.

**Wheels & Axles:** The wheels and axles must only be those licensed by the Boy Scouts of America (approved kits will have the BSA officially licensed seal on the packaging\*\*\*). No Substitutions! The wheels may be trimmed, but not rounded, pointed, or thinned. The tread must remain original width. No hubcaps (stickers on the outside of the wheel). Axles may not be altered in any way, except for polishing. Wheel bearings, washers, and bushings are prohibited. The car shall not ride on springs. Wheel hubs (the part of the wheel that contacts the car) shall not be drilled, filed, or altered in any way. Wheels shall not be lightened by removal of excess plastic.

**Wheel Base:** The distance between the front and rear axles must not be changed from the kit body distance of 4.25 inches. The minimum width between the wheels must be at least 1.75 inches.

**Materials:** No loose materials of any kind are permitted.

**Lubrication:** Only graphite or powdered Teflon "white lube" is allowed for lubricating the wheels. Cars with any type of oil, synthetic lubes, etc. will not be allowed to race.

**Car Body:** Car bodies must use the block of wood supplied in the BSA Grand Prix Pinewood Derby kit; body may be shaped to a custom design within the above specs. Body may be hollowed out and built up to maximum weight, provided all additions are securely attached. The use of altered front ends of cars with "cheater bars" will not be allowed.

**Details:** Details such as steering wheels, driver decals, paintings, and interior details are permissible as long as the inclusion of these details does not exceed the length, width, weight, or ground specifications.

**Propulsion:** Gravity is the only allowed method of propulsion. The car must be free-wheeling, with no starting devices.

**Inspection:** Each car must pass inspection by race officials before competition. Race officials will disqualify those cars which do not meet these specs. Once a car is accepted, only race officials may handle it. If a car does not meet the above specs at the time of registration, the owner of the car will be informed of the reason for not meeting specs, it may be modified and resubmitted for inspection as long as registration is still open.

**Car Specifications and Inspection Decisions:** The Race Official's decision(s) in any car specification and/or inspection matter will be final.

### **CAR SPECIFICATIONS (Outlaw Classes):**

**Weight:** The total weight of the car may not exceed 7 ounces.

**Wheel Base:** The distance between the front and rear axles may be modified.

**All other specifications above shall apply.**

## **RACE RULES:**

**Eligibility (Cub Scout Classes):** (1) The car must be newly made for the current Cub Scouting year by the Scout with parental help as needed. (2) All Blue Grass Council, BSA participants must be a registered Tiger, Wolf, Bear, or Webelos Scout (Webelos Scouts that have “crossed over” into a Boy Scout troop may race as the Webelos representative but must be registered in his troop) at the time of the Pinewood Derby.

**Inspection:** Each car must pass inspection by the official committee before the car can compete. The decision of the committee is final. After final approval, cars will not be re-inspected unless the car is damaged in handling or in a race.

**Maintenance:** Once the Pinewood Derby car has been accepted by the inspection committee, no maintenance of any kind is permitted, including additional lubrication.

**Disabled Cars:** If a car becomes disabled during the race, it may continue until it no longer will go down the track or is eliminated.

**Race Decisions:** The Race Official’s decision(s) in any race matter will be final.

\*\*\*Officially licensed products may now be found at Lowe’s, Michael’s, and other stores and are marketed by Revell Inc.