

# 2025 Pinewood Derby Rules & Regulation

**1. Car Marking** – Attach the following to your car so it will not interfere with the car's performance or clearances:

**A. Name**

**B. Pack Number**

**C. Cub Rank**

**Cub Division Rules – All cars must be built since August 2024 and pass inspection after registration to qualify for races.** Pit crew decisions are final.

- a. Weight – shall not exceed 5 ounces, to be determined by the race scales.
- b. Width – Overall width shall not exceed 2-3/4 inches.
- c. Length – Overall length shall not exceed 7 inches. No part of the car may extend beyond the center of the nose (cross the starting line).
  - Attachments & Details – All details must be within above limits and must be securely attached. **No loose parts!**
- d. 3D printed cars are not allowed. You may print accessories like those you can buy and meet above criteria
- e. Wheel bearing, bushings, and washers are prohibited.
- f. Wheels and Axles:
  - Only "Official BSA" or PineCar wheels and nail axles permitted.
  - No solid axles. (those are the axles with plastic hubs outside of wheels)
  - Axles must be in factory groove.
  - No wafering (rounding) of wheels. Only light sanding of flat surfaces to remove burrs allowed.
- g. Springs are not allowed. Cars shall not ride on any type of springs.
- h. Lubricants – Powered graphite ONLY. Oil, grease, and silicon spray or liquids will not be allowed.
- i. The car must be free-wheeling, with no starting devices

Cub's cars that do not fit these requirements may be disqualified. They may qualify to race in the Open division; see rules for the Open division to determine if they do qualify.

**Open Division Rules. All cars must pass inspection after registration to qualify for races.** Pit crew decisions are final.

- a. Weight – Shall not exceed 7 ounces, to be determined by the race scales.
- b. Width – Overall width shall not exceed 2-3/4 inches.
- c. Length – Overall length shall not exceed 7 inches. No part of the car may extend beyond the center of the nose (cross the starting line).
- d. Attachments & Details – All details must be within above limits, and must be securely attached. **No loose parts!**
- e. 3D printed cars are allowed, if they meet the above criteria.

- f. Lubricants – Powered graphite ONLY. Oil, grease, and silicon spray or liquids will not be allowed.
- g. The car must be free-wheeling, with no starting devices

**Car Repair** – A "Maintenance Center" will provide tools, scale, and personnel to assist in repairing or modify cars. All maintenance and tune-ups must be done prior to registration and check-in inspection.

- a. Cars over 5 ounces must be modified. For Open class, 7 ounces.
- b. Cars under weight may be modified.
- c. Owners may request modification assistance advice from Pit Crew, but are still responsible for any modifications made.
- d. Once registered, only slight damage will be repaired during the races. The need to repair will be the judgement of the Race Officials and Pit Crews. Their decisions are final. In no event will repair to a car be allowed to cause undue delay in any race.

**Impounding Cars** –All cars will be impounded in the Pit area immediately upon completion of inspection following registration and final weigh-in. No racer shall handle or touch any car following impoundment after registration and weigh-in.

**Decisions** – Decisions of the Track Officials, Judges, and Pit Crews are **final**.

**Entry** – Except for open class, only one entry per person. One scout - One car (Any car that is raced in the Cub division can be run in the open division).

**Races** – Races will be run on a computerized track. Each car will race 3 times, once in each lane, and **fastest average time** of those races will be the **winner** of that division.