



KCSBD Thrill of the Hill Pinewood Derby Rules – Trophy Division (All Ages)



Construction Rules

All participants must use a Pinewood Derby kit (these are available at craft stores and through the Boy Scouts) - In order to race – the car must fit into a wooden jig and must meet these specifications.

- **Width:** The overall width of the car shall not exceed **2 ¾ inches**
- **Length:** The overall length of the car shall not exceed **7 inches**
- **Track Clearance:** **3/8 inch** clearance between bottom of the car and the track.
- **Weight:** The weight of the car shall not exceed **5 ounces or (141.75 grams)**.
- **Height:** The height of the car is limited to the track's finish line height. Be prepared to adjust/ modify the height of the car as necessary to fit the track.

Axles and Wheels

- If desired, any burr or seam on any surface of axles may be lightly skimmed off with a fine abrasive.
- No oils, grease or silicone sprays may be used on axles or any part of the car. These items will soften the plastic wheels and will damage the track itself. **ONLY powdered graphite may be used on the axles.**
- Wheels, if desired, the burr and seam on the contact surface (the tread area) of the wheels may be *lightly skimmed* off to remove the imperfection.
- Ribs and Raised lettering on the wheels **MAY NOT** be removed.
- Wheelbase may not be altered and the axles must be installed into the slots.
- Wheels may not extend beyond the rear of the car.

Inspection

- Race officials will inspect cars at registration - cars which pass inspection will be impounded. Once a car is impounded no modifications, lubrication or adjustments will be allowed. **Cars must be checked in by 6:30pm. The first race will begin at 7pm.**

Accidents and Repairing

- If a car leaves it's designated lane and interferes with the race, the race will be re-run in the same lane.
- If repairs are needed, the car owner(s) will be allowed a reasonable time to repair the car.
- Cars will lose parts during a race (except a wheel) will not be allowed to re-attach the part or parts.

Entry Fee and Awards

Entry fee to participate in the Trophy Derby is \$5.00 per car. We will also accept donations greater than the entry fee. Trophies will be awarded to the fastest 3 cars.

Contact Information

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