



SCS Pinewood Derby Official Rules

Derby Car Dimensions

- The overall length of the car shall not exceed 7 inches.
- The overall width of the car shall not exceed $2\frac{3}{4}$ inches.
- The overall height of the car shall not exceed $6\frac{1}{2}$ inches.
- The car must have $1\frac{3}{4}$ inch clearance between the wheels.
- The car must have enough clearance under the body so it does not rub on the track.

Derby Car Weight

- The car can weigh but shall not exceed 5.0 ounces.
- The official weigh scale(s) that is/are used at check-in shall be considered final.

Derby Car Modifications

- **Only the official pinewood block or pre-shaped car provided and sold by SCS may be used. Cars by other vendors will be disqualified.**
- Students in grades 5-8 must use the pinewood block to design, paint, or decorate their car as they see fit.
- Students participating in grades PS-4 must use the pre-shaped cars and paint or decorate their car as they see fit.
- The block may be shaped in any way that is desired.
- The wheels provided in the kits provided by and sold by SCS must be used.
- The wheels may not be cut, drilled, beveled, or rounded. You may remove the seams and imperfections from the wheels.
- The axles may be altered, polished, and lubricated.
- Wheel lubricants are limited to only powdered graphite or silicone. Oil lubricants are NOT allowed.

Other Race Rules

- Once a car passes inspection and is entered into the race, only members of the race committee can touch it.
- If a car loses a wheel, or is otherwise damaged, the racer shall have 5 minutes to make repairs.
- Each car must pass inspection by the official inspection committee before it will be allowed to compete.
- The inspection committee reserves the authority to disqualify those cars that do not meet these rules.

Race Format

- Race format will be determined by the number of entries in the race and may vary from year to year.

Awards

- Race awards will be given based on race format and may vary from year to year.
- Non-race awards will be given for categories TBD and may vary.



SCS Pinewood Derby Race Format & Rules

IMPOUND DAYS – MONDAY, MAY 12 TO WEDNESDAY, MAY 14

- All cars will be impounded prior to race day for inspection and weigh-in.
- All cars must be completed and turned in to the school during the Impound Days (May 12-14). Students should turn their cars in at arrival at the station set up near their appropriate drop-off location.
- Cars not impounded on these days will be subject to disqualification.
- Once the cars are impounded, and pass inspection and weigh-in, no further adjustments will be allowed to be made to the cars.
- Cars failing inspection or exceeding the weight limit of 5.0 ounces will be returned to the racer for adjustments. Post adjustments, the car must be returned to impound no later than the end of day Thursday, May 15, for re-inspection. Any cars failing re-inspection or not returned on time will be disqualified.
- Racers' names and grade MUST BE PRINTED LEGIBLY on the bottom of the car for identification purposes.
- Any cars not turned in by Wednesday, May 14, will be disqualified—no exceptions.

RACE DAY - SATURDAY, MAY 17

- Racers are divided into groups and heats; groups are assigned into time blocks in which the racer MUST be present for when their car is scheduled to race. See group schedule.
- Racers may access their cars between 9:30-9:50 AM on race day to lubricate their wheels with the permitted powdered graphite or silicone. No other adjustments to the cars will be permitted.
- No adjustments to the cars will be permitted once racing begins.
- 1st round heats will be single elimination by place, winning car advances to the quarterfinals.
- In the event of a tie, a runoff heat will immediately follow with the cars that tied, winning car advances.
- Quarterfinals will be comprised of the 1st round heat winners. Quarterfinal heats will be single elimination by place, winning car advances to the semi-finals.
- Semi-final heats will be comprised of the quarterfinal heat winners. Semi-final heats will be single elimination and winners will be determined by the fastest 4 times (not place). The fastest 4 cars by time, will advance to the final four.
- The final four will compete in a 4-heat final. Each car will run a heat in each lane and times will be recorded. The 4 heat times will be added together and the lowest total time will determine the overall champion, 2nd, 3rd, and 4th place.
- 15 points will be awarded to the Miami or Iroquois club that has the most participants.

AWARDS

- Trophies will be awarded to the following:

Grand Champion, 2nd, 3rd and 4th place
EC Champion (PS-K)
LS Champion (1st-4th grade)
MS Champion (5th-8th grade)

EC Best Paint Scheme (PS-K)
LS Best Paint Scheme (1st-4th grade)
MS Best Paint Scheme (5th-8th grade)
Best Design (5th-8th grade)