

Pack 194 Pinewood Derby

Pinewood Derby is an event where Scouts and their parents make a gravity powered race car and compete with other Scouts in the Pack at a Pinewood Derby event.

Parents! Please remember that the purpose of the Pinewood Derby is for you to spend some at home quality time with your Scout, planning, fabricating, and decorating the car. It is not expected that the Scout make the whole car themselves, but this is an opportunity for your Scout to learn and should be involved in the process and take pride in what they did.

PACK 194 Prizes

Trophies for the Top 3 fastest finishers are provided.

Medals for the fastest finisher in each Den are typically provided.

Other Awards

Speed isn't everything! A trophy is awarded for Best Design and Most Original Design.

Most Original – An entry that is typically not car shaped, but some other object with wheels, is well executed, e.g. something whimsical, colorful, nicely painted etc.

Best Design – an entry that resembles some kind of land vehicle that is very well executed, e.g., smooth, nice paint job, strongly resembles a real car, etc.

Car Specifications:

1. Width: - 2-3/4";
2. Length - 7";
3. Weight - Not over 5 Ounces;
4. Width between wheels - 1-3/4"
5. Height, with any attachments, must not come in contact with finish gate.
6. Bottom of car height must not touch or rub track center guides. Purchased under car weights usually fit ok as long as wheels are properly mounted in grooves.
7. Wheelbase must not be longer than as supplied in the kit (distance between grooves)
8. The car must have been made during the current year (year in which derby is being held)
- Cannot use previous years cars
9. You must use Pinewood Derby Car kits supplied by the Pack or official BSA kits.
10. No pre-cut car chassis are allowed. This means you cannot use a purchased pre-made kit.
11. Wheel bearings, washers, hubs, and bushings are prohibited.
12. The car shall not ride on springs.
13. Only official Cub Scout Grand Prix Pinewood Derby wheels and axles are permitted.
14. No axle modification other than polishing is allowed (e.g. no grooving)
15. Only dry lubricant is permitted. Graphite is preferred.
16. Details, such as steering wheel and driver are permissible as long as these details do not exceed the maximum length, width and weight specifications.
17. The car must be free-wheeling, with no starting devices.
18. There must be no moving parts or internal liquids that will change the center of gravity.

19. No wheel or hub modification is allowed except polishing to remove burrs. Wheel thickness or width must not be altered and tread must remain flat.
20. All four wheels must touch the ground and must not be canted.
21. Each car must pass inspection by the official inspection committee before it may compete.
22. If, at registration, a car does not pass inspection, the owner will be informed of the reason for failure, and will be given time within the official weigh-in time period to make the adjustment.
23. After final approval, cars will not be re-inspected unless the car is damaged in handling or in a race.
24. District rules may require that the top 3 winning cars be placed under Cubmaster or Pack quarantine until the time of the District runoffs, at which time only lubrication may be added. This rule will be made known on race day.