

Pack 55 Pinewood Derby Official Rules

General Information:

Derby Car Kits: The Pack will supply all Scouts with the official BSA Pinewood Derby Kit and no precut kits will be allowed to compete in the Races. Paint, decals, accessory trim pieces, and weights are allowed.

Wheels & Axles: Only wheels and axles furnished in the official kit are allowed. No washers, bushings, bearings, rubber tubing, or springs are allowed. Axles may be polished if desired. The bottom surface of the wheels may be sanded to remove any blemishes left from manufacturing. **No additional shaping of the wheels is allowed (such as sanding/turning into a "V" or "U" shape).** Wheel surface must remain flat with full tread surface.

Weight: The weight of the race-ready car must not exceed five (5) ounces (141.7grams). Weight will be measured using the official scales when the car is registered. After the official weigh-in, no adjustments may be made to the car. Mercury or other liquid may not be used as a weight.

Lubricant: Graphite is the only approved lubricant. No oil or silicone may be used. Lubricant may be applied by the Scout or parent only prior to the race. Once races begin, no additional lubricant may be applied.

Car Numbers: Assigned numbers will be temporarily attached to the car with a colored dot by the racing staff at the time of registration. Other numbers (decals) may appear on the car, but the assigned number will be used for tracking the cars by the racing staff.

Other: Cars must freewheel with no stored energy or movable weights. There is no designated front or back to the supplied body - either end may be the front. If desired, the Scout may label the front of the car on the bottom to avoid confusion by the race staff.

Sportsmanship: Scouting encourages good sportsmanship. Cars will be disqualified if the Scout or his parents display unsportsmanlike conduct on the race site. Remember, it is only a race and the object is for all Scouts to have a great time!

ALL CARS MUST PASS INSPECTION TO QUALIFY FOR THE RACE

Following are the inspection points

1. The car weight shall not exceed 5.0 ounces. The official race scale shall be considered final.
2. The overall length of the car shall not exceed 7 inches.
3. The overall width of the car shall not exceed 2 $\frac{3}{4}$ inches.
4. The car must have 1 $\frac{3}{4}$ " clearance between the wheels.
5. The car must have $\frac{3}{8}$ " clearance underneath the body.
6. The wood provided in the kit must be used. The block may be shaped any way that is desired.
7. The wheels supplied with the kit must be used. The wheels may not be cut, drilled, beveled or rounded. You may remove the seam from the wheels.
8. The axles supplied with the kit must be used. They may be polished or lubricated.
9. Wheel bearings, washers or bushings are prohibited.
10. The car must not ride on any type of springs.
11. The car must be freewheeling, with no starting devices.
12. No loose material of any kind, such as lead shot, may be used.

Each car must pass inspection by the official inspection committee before it will be allowed to compete. The Inspection Committee has the responsibility to disqualify those cars that do not meet these specifications.

Once cars have been registered, weighed, and certified, they will remain in the hands of race committee until the end of the competition.

NO GRAPHITE WILL BE ALLOWED IN THE BUILDING day of the race. Scouts will lubricate the cars at the time of registration.

1. Because of possible damage to the cars and track, there will be no running, pushing, yelling, etc. in the building. Violators will be disqualified.
2. Each heat will be announced.
3. Scouts and all other spectators must remain behind the tape. Seats will be set up to allow spectators to see the race.
4. The starter will make sure the cars are on the track properly and then will start the race.
5. If a car leaves the track, runs out of its lane, interferes with another car, loses an axle, etc., the heat will be rerun. If the same car gets into trouble on the second run, the car will not be allowed to race further.
6. Cars constructed for previous Pinewood Derbies are not eligible to compete.

All scouts will receive an award for participating. Judging will take place and cars can be designed to compete in the following categories:

Looks like a real car
Looks most like a Scout built it
Looks most like a Dad built it
Funniest Design

All scouts will compete against each other regardless of their Den standing. Trophies will be awarded for 1st, 2nd, 3rd place:

- a) Overall Pack Fastest Cars
- b) Outside of the top 3 finishers, each Den will have 1st, 2nd and 3rd place trophies