

Charter Oak Adult Pinewood Derby Rules

Kits will be available for purchase at the venue hosting the event.

Problem Solved Brewery 2 N Rd #4, East Windsor, CT 06088

We are all attending to have fun, be a good sport and enjoy yourself. The folks running the race are volunteers and they will treat everyone fairly. If there are any discrepancies or issues, we will do our best to address them. Poor behavior will not be tolerated. The decisions of the race coordinators are final in all disputes.

Car Dimensions & Weight

- The length of the car shall not exceed 7 inches. The width of the car shall not exceed 2 3/4 inches.
- The weight shall not exceed 5.0 ounces - The scale that is used at car check-in shall be considered final.
- The clearance between the wheels should be between 1 5/8 to 1 3/4 inches.
- The car must have 3/8" clearance underneath the body, such that it does not rub against the track.
- Any details added must be within length, width, height (4 inches maximum) and weight limits.

Wood, Wheels, and Axles

- The official BSA pinewood block must be used. The block may be shaped in any way that is desired. The front edge of the car must be behind the starting peg.
- The official BSA wheels must be used. The wheels may not be cut, drilled, beveled, or rounded. You may remove the seams and imperfections from the wheels. The decorative dots on the wheel treads and wording on the side walls may not be removed. Wheels must be flat and ride flat on the track. They can be mounted anywhere on the pinewood block. The official wheel width is 0.34"
- The official BSA axles may be altered, polished, and lubricated. Use dry powdered lubricant (graphite or powdered Teflon "white lube") only. You may not use oils or silicone sprays. No lubricant may be applied after car inspection except for the beginning of the first race of the semi-finals and finals. Lubricants may not foul the track or the facility that the race is being held in.

Car Modifications Not Allowed

- Wheel bearings, washers or bushings are prohibited.
- The car must not ride on any type of springs.
- No starting devices (magnets, stored energy, slip I moveable weights etc.). The car must be freewheeling. No loose material of any kind, such as lead shot, may be used.

Other Pinewood Derby Race Rules

- 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.
- Each car must pass the inspection points at weigh-in to qualify for the race.
- 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. After approval, cars will not be re-inspected unless the car is damaged in handling or in a race.
- Once a car has passed inspection only race committee members can touch it after that.
- If the car loses a wheel, or is otherwise damaged, the racer shall have five (5) minutes to make a repair.
- If a car leaves its lane, at his sole discretion, the track chairman may inspect the track, and, if a track fault is found which probably caused the initial violation, the track chairman may order the race to be rerun after the track is repaired.
- If a car leaves the track in two (2) consecutive races or a car has problems running more than once, it is disqualified. Interfered-with cars will receive no penalties and heats will be rerun.