



IABC PINEWOOD DERBY RACE



1. Each child must enter his/her own car. This means that the child must be present at registration to enter his/her car into competition. However, if a child is ill and unable to attend the race, the car may still be entered into the design competition, but not the speed competition.
2. The primary frame of the car from the front axles to the rear axles must be made from a pine block such as in the Awana Grand Prix, Cub Scout Pinewood Derby, or store purchased kit. Other types of wood, plastic, or composites may be used in the construction of the car so long as the foundation is of pine.
3. The car must have at least four official wheels, with two on each side, and no wheel should be more than 1/8" off the track. The wheels must be the same size as those provided in the kit. You can sand them to smooth out rough spots and remove tread, but be careful not to change their size.
4. The car may use axles supplied in the kit or purchased aftermarket. The axles can be sanded to remove rough spots and polished if desired, but use care to maintain close to the original diameter or the wheel will wobble and cause the car to slow down.
5. The car must not have any kind of washers, bearings, bushings or springs on the axles or wheels.
6. The car length shall not exceed 7". The car width shall not exceed 2 3/4". The car height shall not exceed 3" in order not to interfere with the finish-line detector.
7. The distance between the wheels (side to side) cannot be less than 1 3/4" or the car will not fit over the lane guide strip.
8. The Derby track is designed with lane strips to keep cars in their proper lanes. To prevent the bottom of the car from rubbing on the lane strips, be sure clearance is 3/8" minimum.

9. The car weight shall not exceed 5 oz. Weight may be added to lighter cars by hollowing out cavities and inserting lead or another metal. Such additions must be built securely into the car.
10. Addition of decals, driver figure, steering wheel, car trim, accessories and painting is permitted as long as they do not cause the car to exceed the specified dimensions or weight.
11. The car cannot have any starting devices and must be freewheeling.
12. The car must pass inspection by the Inspectors in categories of weight, length, width and height and other specifics noted in these rules. Inspectors may send cars to the repair station if there is any question about meeting these standards.
13. Cars should be built by the child with the assistance of an adult as required. Children should do as much of the work as they can safely do (strive for 50% or more).
14. After registration and check-in, no alterations to the car are allowed. This means that final preparation and lubrication must be done before check-in.
15. As much as possible, the builder of the car should be the only one who touches it or picks it up. Competitors will place their own cars on the track prior to a race and remove it at the end of a race. If the starter notices that a car is not properly aligned on the track, he will call the child back to adjust it.
16. If a car jumps the track during a race, the race will start again. If a car jumps the track three times in a single heat, it is eliminated for that heat. The race will commence with the remaining cars.
27. Trophies will be awarded for the top three cars for speed and design.
18. One car per child.