

General Rules Governing Race

1. All racers must be registered Lion Cubs, Tiger Cubs, Cub Scouts, Webelos Scouts or Boy Scouts with the Boy Scouts of America.
2. Each car must pass an inspection by the Official Inspection Committee at the Derby. If a car does not meet specifications, it may be modified by the owner; modifications to pass inspection must be completed by the close of the registration period.
3. Graphite powder **only** may be applied to the car. Cars using liquid lubricants will not be allowed to run on the track. Please do not bring graphite powder inside the school. This has created slip hazards in the past.
4. Once the car is registered it can only be handled by a Race Official. With the approval of the Race Chairman, the owner of the car can handle the car only to make repairs necessary under General Rule 7.
5. If there is a tie at the end of the Set, those cars will have a single tiebreaker heat to determine places. Lanes for the tiebreaker heat will be assigned randomly by drawing numbers.
6. If a car leaves the track the heat will be run again. If the same car leaves the track a second time and it interferes with another car, the heat will be run a third time without that car, and that car will receive a 10 second time for the heat.
7. If a car suffers a mechanical problem and a repair can be accomplished within 5-minutes, the heat will be run again. If not, the car will be given a 10 second time for the heat.
8. Ungentlemanly or unsportsmanlike conduct by any participant or member of the audience will be grounds for expulsion from the competition and/or race area.

HAVE FUN!!

Mountaineer District Official Pinewood Derby Rules

All cars must conform to the inspection standards listed to be allowed to race. It is required that the cars be constructed of the Official Grand Prix Racer Kit.

Boys are required to build a new car each year.

Car Specifications

1. Overall **width** of body (car including wheels) shall not exceed 2 $\frac{3}{4}$ -inches.
2. Overall **length** of body (car including wheels) shall not exceed 7-inches.
3. Overall **height** of body (car including wheels) shall not exceed 3 inches.
4. Minimum **width between wheels** shall be 1 $\frac{3}{4}$ -inches.
5. The car (car including weights) must have a **track clearance** of a minimum of 3/8-inches.
6. The **weight** shall not exceed 5 ounces. The scale at the derby registration is the official scale.
7. Car **detailing** is permitted as long as it does not cause the car to exceed length, width, and weight specifications.
8. The **front** of the car shall not exceed the starting gate in order to gain an advantage at the starting line.
9. ***Wheels and axles must be Official BSA Grand Prix Racer parts.*** The wheels may not be reduced from their original size. The wheels may be lightly sanded and polished but not tapered.
10. The axles may be lightly sanded and polished.

Car Restrictions

1. No loose materials of any kind are permitted on the car.
2. Washers and bushings are prohibited for use as suspension.
3. The car shall not ride on any spring.
4. The car must be freewheeling with no starting device(s).
5. Official Grand Prix Racer weights or other solid material weights are allowed (**no Mercury**).