

# **Pack 402 Pinewood Derby Rules**

These rules are in accordance with Black Creek District's Rules at <http://www.blackcreekbsa.org/rules.htm>

## **1. ENTRANT**

ENTRANT MUST USE THE PARTS FROM THE OFFICIAL GRAND PRIX PINEWOOD DERBY KIT NO. 17006 or 17075, and Replacement Wheels & Axles KIT NO. 17007.

The car must be newly built for the current Cub Scouting year.

## **2. VEHICLE DIMENSIONS AND WEIGHT.**

WIDTH – will not to exceed 2 3/4 inches.

WIDTH BETWEEN WHEELS - no less than 1 3/4 inches.

LENGTH – will not to exceed 7 inches.

WEIGHT - not exceed 5 ounces or 141.75 grams.

GROUND CLEARANCE - There must be sufficient clearance (no less than 3/8 inch) between the bottom of the car body and the guide trips on the track. Distance between axles must not be modified. Overall car dimensions will be checked by placing the car in a box with fixed sizes for width, length, axel distance and wheel size. Cars not fitting in this formed box may not be allowed to participate

## **3. ASSEMBLY AND ACCESSORIES.**

Car modifications must not exceed the dimensions and weight limits.

Washers, bushings, and springs are prohibited.

Specialty wheels and axles are prohibited.

Cars must be freewheeling with NO starting devices.

All parts and weights must be securely fastened to the car. They must not interfere with the GROUND CLEARANCE.

The car body may be cut down and hollowed out providing the wheels fit over the track guide strips, which are 1 3/4 inches wide.

The car body may be "beefed up" to increase weight. Wood, wood fillers, putty or metal may be used provided that the materials are securely affixed to the car body.

Car bodies may be sanded, sealed, painted, and detailed.

## **4. WHEELS AND AXLES.**

Car wheels must be from the official Grand Prix Pinewood Derby Kit or Official Grand Prix replacement wheels. Wheels may be sanded or polished smooth to remove seams, defects, and rough edges. V-shaped, double-V, or H-shaped wheels are not allowed. The wheels may not be cut down or narrowed.

Car axles must be from the Official Grand Prix Pinewood Derby Kit or Official Grand Prix replacement axles. Axles may be lubricated with dry powdered lubricant (white or gray graphite). Silicone liquid or similar sprays and oils are prohibited and may damage plastic wheels and/or the track.

## **5. WHEEL BASE.**

The wheel base (distance between the front and rear axle slots) may not be modified. Entrants must use the precut slots so that the distance between the axles is the same for all cars.

## **6. INSPECTION & REGISTRATION OF CARS.**

Each car must be registered by the Scout who built the car, and must pass inspection by the inspection team before it may be entered in the race. In the event that the Scout cannot attend the District event, his car may be registered "by proxy," providing it is entered by another boy from his Pack and his Cub Scout rank. The Scout should be in a neat, clean uniform, either class "A" or class "B." Packs are encouraged to all wear either their class "A" or class "B" uniforms as a unit, to promote uniformity and pride in each Pack. A Cub Scout will not be disqualified because he cannot afford a uniform.

All entrants must first check-in with the race officials and have their cars inspected, measured, and weighed. Cars that do not pass inspection shall be returned to the entrant. The entrant may make corrective action to meet the specifications, but must do prior to commencing the competition. Cars that are repaired will be re-inspected.

The inspection team has the right to disqualify cars that do not meet the criteria outlined in the race rules.

Entrants whose cars have passed the inspection and weigh-in will be registered for the race, and the car shall be turned over to the Pit Crew Committee officials. Thereafter, no one except the Pit Crew Committee or Race Committee official shall be allowed to handle cars until after the conclusion of the competition. When a car suffers a mechanical problem and a repair can be accomplished, then and only then will an exception be made.

The Race Chairman will be the final judge of these rules. The decision of the Race Chairman will be final, and will be judged in the best interest of the boy, while maintaining a level of fair competition. Un-sportsmanlike conduct by any entrant or member of the audience will be grounds for expulsion from the competition and/or the race area.