

## THE SCHEDULE

**Registration** : 6:00 to 8:00 Friday evening (January 22nd ) Cana Center– You must register your car at this time if you will enter it into the race. At registration, we will weigh and inspect your car (see the specifications below) and give you a chance to see how it runs on the track. At this time you may also make last minute adjustments. Once registered, your car will be impounded until the next morning. You will not have access to your car until after all races and design judging is complete.

**Race** : 9:30 to 12:00 Saturday morning (January 23rd )Cana Center– Races begin immediately after the Opening Flag Ceremony at 9:30am. This is a Pack gathering so please have your son wear his Class A Uniform. Trophies will be given to the fastest cars in the den/patrol and overall in the Pack. Design trophies will be given to the best looking cars. Concessions will be available for purchase. The races will be run in multiple heats throughout the morning and all cars will be judged on their actual race times, not their places in each heat. The award ceremony will occur after all races have completed.

## THE SPECIFICATIONS

Following are the inspection points for each Pack 404 Pinewood Derby Car

1. The car weight shall not exceed 5.0 ounces. The Outlaw car weight shall not exceed 16 ounces (or 1 pound). 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. Either the wood provided in the kit or a precut wood derby car may be used. NO PRE-ASSEMBLED CARS ALLOWED! A pre-cut derby car may not be entered into the design competition. It will be up to the scout families to inform the registration committee of their car being pre-cut, at time of registration. As scouts, this will be an "on your honor" system.
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. Only the axles supplied with the kit may be used. Single axle configurations are not allowed. They may be polished or dry lubricated. The pre-cut axle grooves must be used.
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. Any accessories must be securely attached or glued to the car and those accessories may not obstruct other cars, the starting gate or finish line on the track.

**13. Please remember that the purpose of this event is for the scouts to participate in the building, painting and racing of a car and actually learn about fair competition and honesty while doing so. To that end, the car you enter this year must have been built this year (Scouts' Honor) and must not be a pre-assembled car of any kind. Failure to adhere to these guidelines will result in disqualification.**

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.