

# Cub Scout Pack 414

Blessed Sacrament Cathedral

## Annual Pinewood Derby Rules and Regulations

This event is a family-oriented activity designed to encourage not only the development of craftsmanship skills in the scouts but also good sportsmanship. Every scout in this activity will be successful whether they win the race or not.

**The first rule to follow is that this activity is for the enjoyment of the scouts and their families. Although the competition between the scouts is important, let's remember that the competition is only a part of the activity.**

**In addition to the rules and regulations included in the Official Grand Prix Pinewood Derby Kit, the following rules have been established for the Pack 414 Pinewood Derby:**

### **This is a parent/son project**

We recommend and encourage the involvement of the parents in helping with the car, especially when using any type of tools. However, please remember that it is the *scout's* car. Adults and siblings who desire to build and race a car will have a division of their own to race in.

### **Only registered Scouts of Pack 414 will be permitted to compete**

### **Each competitor may enter only one (1) car into the event.**

That car will be judged in the non-speed categories as well as compete in the race.

### **The car must be constructed new for this race.**

1. **Cubs & Webelos may not enter "Last Year's car", "Dad's car", "Big Brothers car", etc.**
2. Only exception is that older cars may be entered in the adult/sibling division.

### **You must use the wood block, wheels, and nails furnished in the kit PROVIDED BY THE PACK.**

If any parts are damaged or lost during construction, replacement Official Grand Prix Pinewood Derby Kits/Parts may be purchased at the Scout Service Center.

**PRE-CUT "PINE CAR" OR OTHER NON-BSA KITS ARE NOT ALLOWED.**

### **Weights and accessories may be added as long as they do not cause the car to exceed any of the size and weight limits.**

1. The car's total weight can't exceed 5 ounces.
2. Do not add accessories to the car for judging in the non-speed categories that will disqualify the car for the race.

**All parts (i.e. wheels, axles, weights, windshields, bumpers, etc.) must be firmly attached.**

1. There can be no loose parts on the car.
2. If any parts (excluding wheels and axles) come loose and/or detach during racing, they **cannot** be re-attached.
3. If the **wheels and/or axles** come loose and/or detach during racing, the competitor will be given a reasonable opportunity to re-attach them.

**Wheel axles (i.e. the nails)**

1. Axles may be glued in, however, they must be within the axle grooves that are pre-cut in the wood block.
2. **Cutting new axle grooves in the wood block is not permitted.**
3. Keep in mind when designing your car, the axle groove closest to the end of the wood block usually designates the front of the car. If the race officials are unsure which is the front of the car, this fact will be used to orient the car on the track.

**Wheel treatment (hub and tread smoothing and polishing) may not result in substantial removal of mass or in reducing the wheel width from the original kit wheels.**

1. Some of the original "tread marks" on the wheel face must remain intact (i.e. apparent to inspector).
2. Wheels may not be machined to a beveled condition
3. The portion of the wheel surface that contacts the track must remain parallel to the axle.
4. Wheel bearings, washers, bushings, etc... are not permitted.
5. Lubricating is permissible and recommended. Use dry, powdered locksmith's graphite only.

**Once a car is weighed-in, inspected, and certified the car can only be handled by assigned race officials.**

There are two (2) exceptions to this rule:

1. A competitor whose car qualifies for the finals may inspect, adjust, and lubricate their car if they so desire, however, the car will need to be re-certified (weighed, inspected, etc...) before re-entering the competition.
2. If the wheels and/or axles come loose and/or detach during racing, the competitor will be given a reasonable opportunity to re-attach them, however, the car will need to be re-certified (weighed, inspected, etc...) before re-entering the competition.

**Any car which does not meet the specifications as outlined in the kit and this document, and cannot be altered to meet these specifications in time to be certified before the race, or to re-enter the race for the finals, will be ineligible for race trophies.**

**Only assigned race officials will be permitted within the track area.**

**Any competitor who does not adhere to the specifications as outlined in the kit and this document, or engages in any unsportsmanlike conduct, may be disqualified at the discretion of the race officials.**

If anyone has any questions regarding these regulations, or the Pinewood Derby in general, please contact your Den Leader or the Cubmaster.

These rules are intended to make things fair for everyone.

The committee and the leaders don't want to be in the position of having to disqualify your son's car before or after the race.

**IT HAS HAPPENED BEFORE, PLEASE DON'T LET IT HAPPEN AGAIN.**

Good Luck at the derby!!!

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