



## [Pack 29 Pinewood Derby](#)

**Saturday March 26, 2011, 5-8pm**

**Check-in/Snack Bar 5:00pm/Race time 6:00pm**

**Location: Jurupa Park & Rec Center**

**4810 Pedley Rd, Riverside 92509**

The Pinewood Derby is open to all Cub Scouts. Each Scout is allowed to enter one car into the derby that meets the derby rules (see below), and each family is allowed to enter one car "**family car**" into the race. Family Cars will be raced at the end of the derby and can be as wacky and wild as you wish, the family car has no rules – Get Crazy!

It is highly recommended that the Cub Scouts with some adult guidance should build the cars. Any technical assistance should be fully explained to the Cub Scout so that he can use that knowledge on future projects. The car must have been built in this program year; cars run in previous years cannot be raced.

Good sportsmanship is expected of all participants and spectators.

Tips and Tricks for building your car can be found on the Pack website [www.Pack29.net](http://www.Pack29.net) or on [www.pinewoodderby.org](http://www.pinewoodderby.org).

**CAR SPECIFICATIONS:** (based on the official grand prix pinewood derby kit)

- Maximum Width: 2-3/4"
- Maximum Length: 7"
- Weight: Not over 5 Ounces (as weighed on the Pack's official scale)
- Minimum width between wheels: 1-3/4"
- Minimum bottom clearance between car and track: 3/8"

### **RULES:**

Only official Cub Scout Grand Prix Pinewood Derby wheels and axles that are included with the kit are permitted. Details, such as steering wheel and driver are permissible as long as these details do not exceed the maximum length, width and weight specifications. Wheel bearings, washers, and bushings are prohibited. The car shall not ride on springs. Only dry lubricant is permitted. The car must be free-wheeling, with no starting devices. Axle nails must be affixed in the original pre-defined grooves and original wheelbase (distance between axles) shall remain intact. No solid one-piece axles may be used. Wheel shape may not be altered (no rounding or beveling or substantially removing material from tread surface.) The front of the car must not be so extensively narrowed or hollowed out that it cannot be sensed by Pack 29's automatic racetrack.

Each car must pass inspection by the official inspection committee before it may compete. If, at registration, a car does not pass inspection, the owner will be informed of the reason for failure, and will be given time within the official check-in time period to make the adjustment. After final approval, cars will not be re-inspected unless the car is damaged in handling or in a race.

All cars will be dry lubricated for you with dry graphite at check-in.

Each car will be raced 3 times on 3 different racetrack lanes. The three electronic timings will be averaged for the final race standing.

More info on the Pack website: [www.pack29.net](http://www.pack29.net)