



**Cub Pack 277**  
**Kinnelon, NJ • Fishawack District**  
**2009 Pinewood Derby**

***WHAT IS THE PINWOOD DERBY?***

It is the most popular and successful family activity in Cub Scouting. Pinewood derby cars are simple small wooden models, made by the boys with help from their families, and raced in competition. These cars are gravity powered and run down a regulation track. Every boy can design and build his own "Grand Prix" to enter in the race.

***WHO CAN PARTICIPATE?***

All Tigers, Cubs and Webelos Scouts registered in Pack 277 may participate. All scouts will race together for four heats. We are also going to run a separate race for the siblings and parents. These races will also be four heats and awards will go out for 1<sup>st</sup>/2<sup>nd</sup>/3<sup>rd</sup> for siblings and a separate award for parents. For these races, the same rules must be followed as the cub scouts. You can purchase the Pinewood Derby kit from Zeppelin Hobbies. Please do not buy pre-cut cars.

***AWARDS***

Trophies will be given for fastest car overall, 1<sup>st</sup>/2<sup>nd</sup>/3<sup>rd</sup> place for each Cub Scout rank, 1<sup>st</sup>/2<sup>nd</sup>/3<sup>rd</sup> place siblings, 1<sup>st</sup> place parent and 1<sup>st</sup> place for the fastest car in each den. Each scout will be limited to one trophy. While there are only a limited number of larger awards, each scout will earn a ribbon indicating their participation in the competition.

Special awards will be given for:

Closest to Stock	Best Scout Spirit	Best Looking	Best Theme – Cub/Webelos
Best Race Design	Shiniest	Most Patriotic	Best Overall – Cub/Webelos
Funniest	Most Added to Car	Most Aerodynamic	Best Paint Design – Cub/Webelos
Most Unique	Car most likely to actually have been built by the cub scout		

Special Tiger Awards will be given for Best Theme, Best Overall and Best Paint Design.

***SCHEDULE***

**The Official weigh-in is Friday, January 16th at the Kiel Ave Firehouse.**

Please come at the indicated time (or after) to allow enough time to check in each car.

- 6:00 – 6:30 pm Tigers
- 6:30 – 7:00 pm Wolves
- 7:00 – 7:30 pm Bears
- 7:30 – 8:00 pm Webelos

Please bring coins or lead weights to adjust the cars weight as needed. If the car is too heavy you will need to bring tools to reduce the weight.

**All cars must pass inspection and be weighed on Friday, January 16th to be entered in the race. Cars remain overnight in the possession of the Pinewood committee. (Sorry, no late arrivals.)**

**The Pinewood Derby will be held Saturday January 17th at OLM Auditorium at 12:00 noon.** Food, beverages and snacks will be available at a nominal cost.



# Cub Pack 277

## Kinnelon, NJ • Fishawack District

### 2009 Pinewood Derby

#### **OFFICIAL RULES**

**IMPORTANT:** The pine cars are to be built and decorated as a joint (Cub/Parent) project with *the cub doing as much of the work as possible*. Parents – please help with the power tools, but please refrain from making this car yourselves. **HAVE FUN!!!!**

- 1) Cars that have been run in a previous year's Pinewood Derby are **NOT ALLOWED!**
- 2) The pine cars must be built from the official BSA Pinewood Derby kits provided by Pack 277. The cars must be cut from the pinewood block included in the kit. **Pre-cut cars are NOT ALLOWED and will be excluded from judging.**
- 3) In **ALL CASES** the decisions of the Pinewood committee will be **FINAL** and **UNCONTESTED**.
- 4) **Dimensions of cars:**
  - a) Maximum overall width (including wheels & axles) shall not exceed 2-3/4 inches.
  - b) Maximum length shall not exceed 7 inches.
  - c) Minimum width between the wheels shall be 1-3/4 inches (to clear guide strip).
  - d) Minimum clearance between the bottom of the car and the track shall be 3/8 inches.
  - e) Maximum height shall not exceed 4 inches as the car must be able to pass under the finish gate.
- f) Due to the track starting bar, which requires the front of the car to have a flat surface, make sure at least the center 1/2" of the front of the car is flat. Cars with pointy front ends may need to be run backwards.
- 5) **Weight:** Maximum car weight is 5 ounces. No loose materials of any kind are permitted. All weights and decorations must be glued to the car. The Pack's scales are the official scales for all weight measurements.
- 6) **Wheels and axles:**
  - a) Only the official wheels and axles supplied with the BSA kit may be used. Wheels and axles may not be modified except for seam removal/deburring. No modifications to the flat surfaces are permitted (no filing, beveling or shaping.) Axles must be visible (no hubcaps.)
  - b) Wheels **MUST BE** in the assigned (pre-drilled) spots.
  - c) The car **SHALL NOT** ride on any type of springs.
  - d) The car **MUST** be **FREE-WHEELING** with no starting device or other propulsion.
  - e) The car **MUST** ride on **FOUR WHEELS!**
  - f) Wheel bearings and washers **ARE NOT ALLOWED** on the axles.
- 7) **Lubrication:** Only dry powdered graphite may be used at the Pack race. The cars can be lubricated before check-in the night before only.
- 8) **Weigh In:** Any car that needs adjustments (e.g. adding weight, gluing wheels, etc) during weigh in will restart the check in process once any changes are completed.
- 9) Cars will be inspected the night before the race and will be impounded until the race. **All cars must pass inspection and be weighed on Friday January 16<sup>th</sup> to be entered in the race. Cars remain overnight in the possession of the Pinewood committee. (Sorry, no late arrivals.)**