

Cub Scout Pack 83 2017 Pinewood Derby

Pinewood Information Packet

Date: Saturday, January 21

Location: West Islip UFSD High School

Who: All Dens of Pack 83 including Lions Den 1 & 3

Time: TBD (sign-in will likely begin at 10:30am with racing beginning at 11:15am)

Leaders setup TBD (~ 8am)

There is a ton of information available online on design and crafting pinewood cars. You can view videos on techniques, actual races, etc. The scouts should be creative and take an active role in the construction of the car. Parents: please supervise and assist according to their abilities. Be safe and have fun!

Starting in early-January, local Lowe's stores usually host Pinewood Derby® car clinics to share their tips and tricks for making the fastest cars on race day. In addition Suffolk County Council also has run a workshop on Pinewood Car construction in the past and may do so again.

REQUIREMENT !!! Each car must be purpose-built for the 2017 Pinewood Derby.

- No prior entries allowed. If the car ever ran in pinewood derby (even with another scout) it's not valid.
- If it's his older brother's car it is not valid. This includes cars for siblings as well.

SIGN-UP

Scouts must RSVP for the race. This is what allows us to program the software accurately and avoid delays that morning.

Adults and participating siblings are also asked to RSVP as well.

You will be emailed RSVP instructions and they will be posted on Facebook.

CAR SPECIFICATIONS:

Maximum width - 2-3/4"

Maximum Length - 7"

Maximum Weight - Not over 5 Ounces

Minimum width between wheels - 1-3/4"

Minimum bottom clearance underneath the body (so it does not rub on the track guide) - 3/8"

!!!!!!!!!!!! Do not alter the axle-to-axle length of the car.

WHEELS/AXLES:

Only BSA-spec wheels will be permitted; no "waffering", or alteration of the wheel running surface/width or drilling of mags is permitted. Wheel bearings, washers, and bushings are prohibited.

Scouts may polish axles and employ a BSA approved dry lubricant like graphite

Axles should be BSA-spec; axles slots may be redrilled but axle-to-axle distance should be identical to BSA-spec

CHASSIS:

The car shall not ride on springs.

Pinewood Information Packet

The car must be free-wheeling, with no starting devices.

The front of the car must be wide enough to properly fit on the starting pin – No part of the car may protrude past the starting pin of the track.

Care construction: car must be constructed from BSA-spec pinewood block

Add-ons of plastic, metal weights, toys, cosmetic embellishments are permitted so long as they don't exceed maximum size rules or interfere with race operations. Details, such as steering wheel and driver are permissible as long as these details do not exceed the maximum length, width and weight specifications.

WEIGH-IN/INSPECTION

Each car must pass inspection by the inspection/check-in official(s) 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 weigh-in time period to make the adjustment (provided there is enough time- this is why you don't want to arrive late).

After final approval, cars will not be re-inspected unless the car is damaged in handling or in a race.

When cars will be checked in at the station they will be weighed and placed on a running board and measurement jig if needed.

Pack scale measurement final. Overweight cars may be modified up until turn-in. Overweight cars will not be permitted to run for any placement.

After cars are turned in no scout may handle ANY car. Designated race assistants will take care of the cars. If a car is determined by the race committee to be unable to run at the time cars are mounted the race committee will try to modify the car with scout input.

PAINT AND NUMBERS AND MARKINGS:

Paint may be used-scouts encouraged to be creative

Numbers should be displayed on the car but only the number your scout is assigned. Each scout will be assigned a race number. It is the only number that should be placed on the car. It will be assigned in early January after race rsvp is complete.

If you have a car for which the front and back are difficult to discern please mark the underside with an arrow.

AWARDS & WINNERS:

A race committee made up of Cubmaster, Assistant Cubmaster, Den leaders or a den designee and a parent volunteer from each den will assist in running the races and rendering decisions on awards and rules.

Cub Scout Pack 83 2017 Pinewood Derby

Pinewood Information Packet

After each car is checked in the race committee will look over the cars and vote on the special award categories listed below. An award will be given for each of these.

Scouts will race in heats against den mates (smaller groups may be combined) or, in the case of Webelos, against one-another. There will be a "1st, 2nd, 3rd" for each group with den winners earning place awards.

The den champions will advance to the championship round alongside the "wildcard" winners which are determined by fastest times provided by the timing software

There will be a final champions' heat.

The system is designed to provide a fair distribution of races over each lane on the track.

GARAGE AREA/PRE-RACE ADJUSTMENTS

There will be a "garage" area available for all scouts before they check in their cars. Scouts should weigh their cars before check-in and make needed adjustments to weight or other aspects. **PLEASE MAKE SURE YOU BRING YOUR OWN WEIGHTS FOR ADJUSTMENT!** The pack only has a limited supply which available for minor adjustments, not as a main supply for the car.

SIBLING AND ADULT RACES

There will be a sibling series. Heat numbers will depend on number of entrants and timing.

There will be adult series. In the adult series cars must weigh no more than 5 oz but modifications may be made to axle length.

PRIZES

Each scout will receive a pin or patch commemorating the event as well as a pinewood display case. Winners will receive a trophy. Sibling winners will get ribbons. The Derby will also feature awards for Best Design by a Rookie, Fastest Looking Car, Most Original Design, Best Craftsmanship and Best Paintwork.

ASSISTANCE WELCOME

We want each of the dens to have a great time. In order for us to run the event properly we need the cooperation of the scouts and the parents. We want to keep all the boys engaged. If parents or den leaders have ideas for their dens when not racing they are welcome.

PLANNING MEETING

The January Committee meeting will take place on in early January and will be almost entirely devoted to the event. Parent volunteers are welcome to attend.

LUNCH

Lunch will be provided for the attendees.