

PACK 400 PINWOOD DERBY 2010

Important Dates

January 22nd – Pack meeting – a chance to have your car inspected.

January 23rd – PIT DAY St.Francis 10:00AM-12:00PM – a chance to test your car.

January 30th – RACE DAY St.Francis 10:00AM – 4:00PM

Race Schedule

Den	Check-In Time/Judging	Race Time
8	10:00-10:15AM	10:15-10:45AM
6	10:45-11:00AM	11:00-11:30PM
Lunch	11:30PM-12:15PM	Pizza, beef sandwiches, drinks
7	12:15-12:30PM	12:30-1:00PM
1/2	1:00-1:15PM	1:15-1:45PM
3	1:45-2:00PM	2:00-2:30PM
4/5	2:30-2:45PM	2:45-3:15PM
Best in Show Judging	3:15-3:30PM	
Finals – Dens 8,6,7		3:30-3:45PM
Finals – Dens 1/2,3,4/5		3:45-4:00PM

Immediately after your Den's races 1st and 2nd place winners will report to the picture taking area.

Race Procedures

Den Champions – Each Den may or may not have multiple heats depending on how many cars are entered (the track has only four lanes). THE WINNER OF THE DEN IS THE CAR THAT HAS THE FASTEST TIME AMONGST ALL HEATS. Each Den will have a 1st and 2nd place winner. 1st place will be the fastest race time in the Den. 2nd place will be the 2nd fastest race time. 1st place receives a trophy, 2nd receives a medal. All other participants receive recognition rewards.

Grand Champion – Each 1st place Den winner competes in the Grand Champion race. There will be 2 heats, 3 dens each heat. The fastest overall race time amongst both heats will be the Grand Champion, 2nd place will be the 2nd fastest time in the Grand Champion race, 3rd place will be 3rd fastest race in the Grand Champion race. 1st, 2nd and 3rd place receive trophies.

Best in Show Categories

Kids will have an opportunity to have their cars judged in the following categories by celebrity judges. Trophies are awarded for each category.

- Best Overall Design – this car exhibits the best overall qualities in theme, design, paint and workmanship.
- Best Paint Job – this car exhibits the best use of color, paint and workmanship
- Best Theme – this car exhibits the best overall concept
- Most Original – this car exhibits the best original design and concept
- Funniest Design – this car reflects the most humorous concept
- Holy Roller – this car looks fast but needs a little help from above
- Closest to a Block of Wood – this car exhibits the qualities most like the original block of wood but does have modifications.

Rules

Pinewood Derby Car Dimensions You must use the Pack 400 kit provided to you!

- The overall length of the car shall not exceed 7 inches.
- The overall width of the car shall not exceed 2 ¾ inches.
- The car must have 1 ¾" clearance between the wheels.
- The car must have 3/8" clearance underneath the body so it does not rub on the track.
- The distance between axles must EXACTLY match the official gauge.

Derby Car Weight

- The car weight shall not exceed 5.0 ounces.
- The official race scale that is used at car check-in shall be considered final.

Wood, Wheels and Axles

- The official pine wood block provided by Pack 400 must be used. The block may be shaped in any way that is desired.
- Official BSA wheels that come with the kit provided by Pack 400 must be used. The wheels may not be cut, drilled, beveled or rounded or otherwise altered in any way.
- The axles may be polished and lubricated.
- The axles and axle slots must be visible. The slots for the axles must not be filled in.
- Only dry lubricants such as graphite or powdered teflon "white lube" will be allowed for lubricating the wheels. Lubricants may not foul the track.

Car Modifications Not Allowed

- Wheel bearings, washers or bushings are prohibited
- The car must not ride on any type of springs
- Starting devices such as magnets, spring, etc. are strictly forbidden. The car must be freewheeling.
- No loose material of any kind, such as lead shot, may be used.

Other Pinewood Derby Race Rules

- Once a car passes inspection and is entered into the race, only race committee members can touch it.
- If the car loses a wheel, or is otherwise damaged, the racer shall have 5 minutes to make a repair and will need to be re-inspected.
- 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.

**IF YOUR CAR DOES NOT PASS INSPECTION ON RACE
DAY YOU WILL NOT BE ALLOWED TO RACE!**