

**Pony Express Council
2022 Pinewood Derby**

**February 12th
East Hills Shopping Center
In the center courtyard of the mall
Saint Joseph, Missouri**

Pinewood Derby

Race Format: Every Cub Scout that desires to participate should be able to compete. Even if a Cub Scout did not win or participate in the races within his Pack, they may compete in the Council Pinewood Derby. Timed races will determine the fastest car from each age group. Every Cub Scout will race the same number of times as the other participants in that age group. There will be Lions (Grade K), Tigers (1st Grade), Wolves (2nd Grade), Bears (3rd Grade) and Webelos (4th and 5th Grades). Each group will have a separate registration table and track.

Trophies / Awards: Trophies will be given to the top three (3) winners within each category: Lions, Tigers, Wolf, Bear and Webelos.

Schedule: All Pinewood Derby Races will occur on Saturday, February 12, 2022. The schedule is as follows:

9:00 a.m.	Pinewood Derby Sign In
10:00 a.m.	Pinewood Derby Races
*TBA	Closing Ceremony / Awards Ceremony

*The awards will be presented shortly after the last race completes.

Construction / Racing Criteria:

I. General:

1. Cars must be built from an official Pinewood Derby Kit #17006 from the National Supply Service, BSA. The basic block of wood, the nails (axles), and the wheels must come from this kit. No other kit is allowed.
2. Weight shall not exceed five (5) ounces on the official race scales.
3. Width: maximum overall width shall not exceed 2 $\frac{3}{4}$ inches.
4. Length: maximum overall length shall not exceed seven (7) inches.
5. Chassis must not be lower than $\frac{3}{8}$ inches (in order to clear all tracks).
6. Cars must pass an inspection by the OFFICIAL INSPECTION COMMITTEE before it will be allowed to compete. The inspectors will disqualify any car that does not meet specifications.

II. Body:

1. The front bumper of the car should be at least $\frac{3}{8}$ inches wide (i.e. not pointed), to allow for electronic timing of the race.
2. No loose materials of any kind are permitted in or on the car. The car may be hollowed-out and built up to the maximum weight by addition of wood or metal only. All weights must be securely and completely built into the body of chassis. Tapes, rubber bands, nails or any other temporary means cannot be used to attach decorations or weights to the cars.
3. Details such as steering wheels, driver, decals, painting, and internal details are permissible as long as these details do not cause the car to exceed the maximum weight or dimensions and are permanently attached so they do not move.

4. The car must be freewheeling with no steering devices. The car may not ride on any type of spring.

III. Wheels:

1. Thin or filled wheels are not allowed.
2. Light sanding of burrs and mold seams on the outside (circumference) of the wheels is allowed.
3. Tread markings must be visible on the sides of the wheels.
4. Wheel bearings, washers, and bushings are not allowed.

IV. Nails:

1. Chroming of nails is prohibited.
2. Light sanding of burrs and mold seams on the inside of the nail head is allowed. Nail shaft may be polished.
3. Nail heads must not be recessed into the wheel.
4. Distance between the axles shall be as cut in the official Pinewood Derby Kit #17006 with no more than 1/4" deviation from the original placement on the official block.

V. Lubricants:

1. No lubricants may be used after the car is officially checked in.
2. **Because of the mess created and safety hazards, no graphite or other lubricants may be brought into East Hills Mall.**

NO EXCEPTIONS!

VI. Car Handling:

1. After a Derby car is registered, only the boy registering the car or a race official may touch the car.
2. After registration, the boys and their cars will go directly to the pit area. Only race officials and registered racers are allowed in the pit area. **Do Not Get Your Son Disqualified.**

3. In the event of a breakdown, and after permission is secured from a race official, a sponsor may assist along with a race official in repairing the car.
4. Repair time limit will be when the car must be run to determine the results of the next level of the race; however, a maximum of five (5) minutes per race session will be allotted each racer if needed.

VII. Checking In:

1. Only the boy shall be in the check-in line.
2. On the first attempt to reduce the weight of an overweight car (all cars are weighed on the official scale), the boy may return to the head of the line. For any repeated attempts, the boy must go to the end of the line.

If you have any questions regarding the Pinewood Derby race or criteria, please contact Don Payne at 233-3062.

General Mall Rules and Criteria

1. East Hills Mall has been gracious to provide the Scouting with the use of their mall for our show each year. Please respect the rules and regulations of the mall and be especially courteous and conscientious of the rights and needs of the mall stores and patrons.
2. All Scouts must be supervised at all times.
3. East Hills Mall cannot assume responsibility for injuries to any Scouts or participants who are breaking safety rules or regulations.
4. Special care must be taken around the Mall's furniture, decorations and trees. These items are not to be incorporated or altered.
5. All scouts and participants must be careful to avoid applying any pressure to the glass display windows throughout the mall.
6. All materials used in the Pinewood Derby cars should be flame resistant or fire retardant in nature. Additionally, no car or participant should present a danger to observers, other participants or the Mall.
7. The Pinewood Derby tracks are only to be used by appropriate Pinewood Derby officials. They should not be a play area and all leaders should ensure their Scouts do not disturb these areas or items.
8. No fund raising or items are allowed to be sold at or near the Pinewood Derby by Scouts or units.
9. All display tables must have a table cover and items being placed on the floor must have a barrier or some sort not to scratch the marble floor tiles.