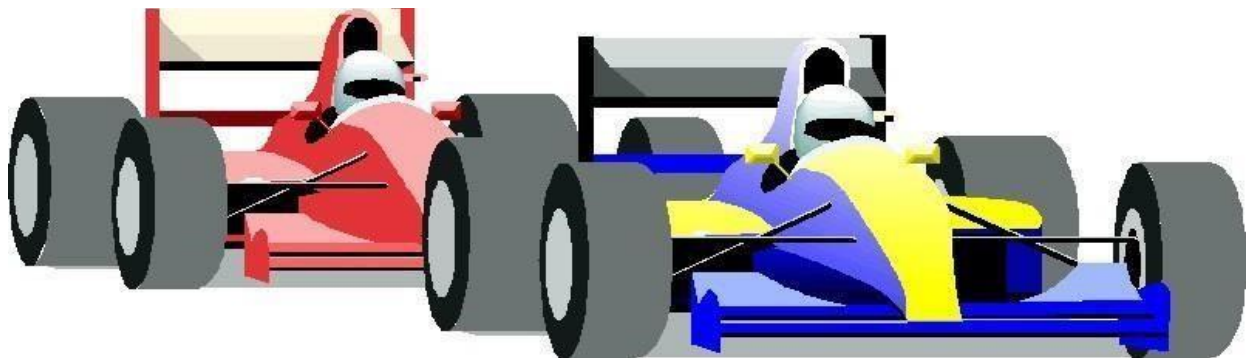


**April 9, 2022**  
**Sewell Eagle District**  
**Pinewood Derby Race**

LOCATION: TBD



# Rules and Registration

2022 District Pinewood Derby Race Rules

Cub Scout Class Race Qualifications: The District Pinewood Derby Race is for Cub Scouts who placed in the top three positions within their ranks at their Pack Pinewood Derby Race. Each Scout may enter one car in the Cub Scout Class Race. All cars entered in the Cub Scout Class Race should be completed by the Scout registering the car with only minimal help from an adult.

Open Class Race Qualifications: The District Open Class Race is for Cub Scouts, Parents and Siblings who want to race pinewood derby cars outside of the BSA Standard Rules. Participant is allowed to register up to two (2) cars per person.

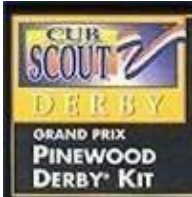
## Cub Scout BSA Standard Racing Rules

All cars **MUST** be gravity powered.

1. All cars **MUST** pass inspection by the Racing Committee Inspection Team in order to qualify for the race.
2. Adjustments can be made until the time of inspection. Should a problem arise during the inspection process, you will be allowed to make corrections and re-enter the inspection line.
3. Once cars have passed inspection, no further changes or modifications will be allowed. No additional lubricant may be added to the derby car during the race.
4. Only track personnel are allowed to handle derby cars during and after the inspection process.
5. Should a car become problematic or lose parts during the race, Track Officials have the authority to allow handling of the derby car to correct such problems. Cars will be re-inspected before racing may continue.
6. Scouts and Attendees are to show good sportsman-like conduct toward all other racers and be on their best behavior.
7. Winners will be determined on the basis of fastest time. Overall District Winner Trophies (1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>) will be presented to the 3 fastest cars. Rank Specific Awards (1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>) will then be given to the remaining 3 fastest cars in each rank (Lions/Tiger, Wolf, Bear, and Webelos/Arrow of Light). The Racing Committee reserve the right to merge other Ranks if attendance is low in a Rank.

## Cub Scout BSA Pinewood Derby Construction Rules

1. The car **MUST** be built from an Official Cub Scout Grand Prix Pinewood Derby Kit purchased from the Scout Shop.
  - a) No cars or parts from previous years may be used. NO REPEATS or REPAINTS. Cars purchased fully assembled may not be used.



*Official BSA wheels and Axles can be purchased at the Scout Shop in various colors.*



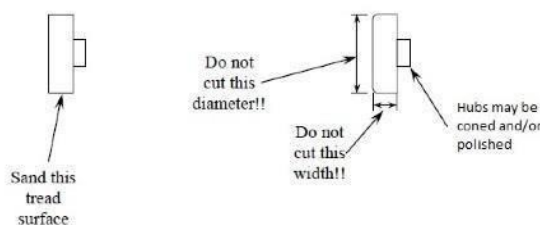
2. Cars will be checked for weight, length, width and height.
  - a) The width of the car shall not exceed  $2 \frac{3}{4}$ ".
  - b) The length of the car shall not exceed 7".
  - c) The height of the car shall not exceed 3".
  - d) The bottom clearance of the car shall be no less than  $\frac{3}{8}$ ".
  - e) The weight of the car shall not exceed 5.0 ounces. A certified weight will be on hand to verify the scale.
  - f) The car body needs to remain  $1 \frac{3}{4}$ " where the axles are inserted to fit properly on the track.
  - g) The front of the car must be  $\frac{3}{4}$ " wide. This is to provide contact with the pin and avoid the car being beyond the pin at start.



### 3. Speed Axles or Machined/Lathed Speed Wheels of any kind are PROHIBITED.

- a) Only wheels, axles, and chassis from the Official Cub Scout Grand Prix Pinewood Derby Kit are allowed.
- b) You may purchase extra sets of Official Cub Scout Pinewood Derby Wheels and Axles from the Scout Shop.
- c) Wheel tread surface must be flat all the way across. All lettering/numbering, both inside and outside, must remain complete and be visible. The fluting and other BSA markings on the outside of the wheel area must remain visible. The tread width of the wheels must not be changed. The sidewalls may not be drilled or altered in any way.
- d) Axles may be grooved, filed/sanded to remove any burrs, and polished.
- e) **Dry Lubricants Only:** Graphite, and Teflon “white lube” will be allowed for lubricating the wheels. Remove excessive lubricants before check-in.
- f) The car must have a wheel base no less than 4”, with the two rear wheels being positioned directly across the body from one another and the two front wheels being positioned directly across the body from one another. There must be at least four wheels on the car, however, it is not required that all four wheels make contact with the track surface.
- g) Wheel bearings, washers, bushings, hubcaps, and wheel covers are prohibited.
- h) Any details added must be within the length, width, clearance, and weight limits.

#### **Acceptable Wheels are Smooth/Flat Tread Surface Only**



### 4. Prohibited Items

- a) The car shall not ride on any kind or type of springs.
- b) The car must be free-wheeling with no starting devices or propellants.
- c) No loose material of any kind is allowed in or on the car.
- d) Liquids, wet paint, oil, sticky substance, or powders of any kind (other than axle lubrication).

- e) Glass or excessively fragile parts.
  - f) Bearings, bushings, washers, sleeves, hubcaps or inserts attached to or in contact with the axle, body or wheels.
  - g) Loose objects on car.
  - h) Magnets.
5. **FAILURE TO COMPLY WITH THESE RULES WILL RESULT IN IMMEDIATE DISQUALIFICATION FROM THE REGULAR RACE AND RESULT IN ENTRY INTO THE OPEN DIVISION**

### **Open Class Pinewood Derby Rules**

1. Cars will be checked for weight, length, width and height.
  - a) The width of the car shall not exceed 2 ¾”.
  - b) The length of the car shall not exceed 7”.
  - c) The height of the car shall not exceed 3”.
  - d) The bottom clearance of the car shall be no less than 3/8”.
  - e) The weight of the car shall not exceed 10.0 ounces.
  - f) The car body needs to remain 1 ¾” where the axles are inserted to fit properly on the track.
  - g) The front of the car must be ¾” wide. This is to provide contact with the pin and avoid the car being beyond the pin at start.
  - h) Cars must be only gravity powered.

#### **Participation Requirements:**

1. A completed registration must be provided to register for the race.
2. Each Pinewood Derby car entry must be the same one that competed in the Cub Scout Pack Pinewood Derby of the same year as the current District Race.

**FAILURE TO COMPLY WITH THESE RULES WILL RESULT IN IMMEDIATE DISQUALIFICATION FROM PLACING IN THE EVENT. Your car may run for fun**

Disputes or ruling appeals will be settled by the Pinewood Derby Race Commissioner and his decisions will be final.

### **Registration Instructions**

Go to the [ADD LINK>](#)

Registration Fee per Car: \$10 for Cub Scouts, \$5 for Siblings and Adults

If you have any questions, please contact Rob Bourgeois at 225-610-3706 or [rob.bourgeois@gmail.com](mailto:rob.bourgeois@gmail.com)