

Pinewood Derby 2021

Included in this document are the specifications that each car must meet before being able to race.

Please review these rules before you start building your car.

What: Pinewood Derby

When: Saturday, January 23, 2021

Where: Gymnasium of Faith United Methodist Church, 4600 FM359, Richmond 77406

Time: 11-1pm – *Right now, the capacity limit for the gym will allow us to race as a Pack. However, should that change, we will split the Pack into two different race times. Advance notice will be given.*

Virtual Viewing: We will have a live stream of the event for those who cannot attend in person.

Please note that all attendees are required to wear a face covering and practice social distancing.

Volunteers needed!! We need your help to make this derby successful and fun for everyone!! Please see the sign-up sheet here: <https://www.signupgenius.com/go/10C084AA5A822A1F58-pinewood3>

General Information:

- Scouts will randomly race against other members of the Pack
- Each car will race four times; once on each lane of the track.
- The track is equipped with computer software that will record the race times and winners of each race.
- The final race time for each car is an average of all four races.
- Scouts will receive an award for 1st, 2nd, and 3rd place for each rank: Lions, Tigers, Wolves, Bears, Webelos. Open Category cars will be awarded separately.
- The Pack will also have ribbon awards for several paint/design categories. These categories include: Best Cub Scout Theme, Fastest Looking Car, Most Realistic Looking Car, Most Original Design, and Judge's Choice. Additional categories may be added.
- We will have a concession stand with snacks and drinks. Cash only, please bring small bills.
- Extra cars will be available to purchase during the workshop for \$5. They are also available at the scout shop. [Official Pinewood Derby Car Kit | Boy Scouts Of America \(scoutshop.org\)](#)

Turn-in and Inspection:

- We have three options for turn-in and inspection.
 1. At the 2nd workshop on January 17th
 2. On January 21st from 6-7pm – 20022 Juniper Chase Trl
 3. On Derby Day. There will be a line - please arrive on time and be patient while we conduct the inspections.
- All cars will have to pass inspection. Please see the Rules on Page 3 for criteria.
- The Inspection Team is responsible for making sure your car meets regulations. Any car that does not meet the criteria will not be allowed to race.

Car Workshop:

Don't have a saw to cut your derby car? Don't fret, we've got you covered! During the workshop, you will be able to stencil, cut and sand your derby car. We will not be painting or assembling the cars. *(If you don't need to use our tools, you can pick up your car during either workshop and work on your car at home.)*

Sunday, January 10th from 1:30-2:30pm
DiAngelo's House – 20022 Juniper Chase Trail, Richmond 77407

OR

Sunday, January 17th from 1:30-2:30pm
Silvas' House, 1510 Fisher Lake Ct, Richmond 77406

These are come and go events but will end promptly on time. You will need about 15 minutes to complete the steps. Please note that this is not a drop-off event and parents will be assisting their Scouts.

Here are a couple of links with tips on how to construct your cars. These are just a few.... there are many great tutorials online. However, keep in mind that our Pack's derby rules may differ from some of their suggestions. If you're in doubt, please ask.

<https://boyslife.org/pinewood-derby/>

<https://www.youtube.com/watch?v=a5A6SCE0eVw&feature=youtu.be>

Cub Scouts Pack 1776

Pinewood Derby Race Rules

Pinewood Derby Car Inspection Requirements

- Dimensions
 - The overall length of the car shall not exceed 7 inches.
 - The overall width of the car shall not exceed 2¾ inches.
 - The car must have 1 3/4 inches clearance between the wheels.
 - The car must have 3/8 inches clearance underneath the body so it does not rub on the track.
 - If weights are used on the underside of the car, **they must be flush to the body of the car.**
- Weight
 - The official race scale that is used at car check-in shall be considered the official and final weight.
 - Regular Pinewood Derby Race Cars and those in the Open Category shall not exceed a weight of 5.0 ounces.
- Appearance
 - Car body detailing may not be made from any material deemed by judges as potentially damaging to the track. If you are concerned, ask before you build.
 - Details such as adding a steering wheel, driver, spoiler, decals, painting and interior details are permissible if these details do not exceed the maximum length, width, and weight specifications.
 - The front bumper of the car must have at least a 1 inch width in the center, so it can rest on the starting gate.

Wood, Wheels and Axle Requirements

- The car must be free-wheeling with no starting devices or other propulsion.
- Wheels must be the BSA wheels provided in your derby kit. No other wheels will be permitted.
- All four wheels must touch the surface during inspection.
- The axles may be polished and lubricated with graphite, however, this should be done at home and is not allowed to be added while inside the facility.
- Regular oils and silicone may soften the plastic wheels and damage the track and are thus not allowed.

Car Modifications Not Allowed

- Wheel bearings, washers or bushings are prohibited.
- The car must not ride on any type of springs.
- No starting devices.
- No loose material of any kind, such as lead shot, may be used.
- No electronic engines

Open Category Derby Racers

- Only one car per participant is permitted to race.
- The Open Category is for siblings or other family members that would like to participate in the race. Cars adhere to the same inspection requirements as the regular Pinewood Derby Racers.
- There is a \$5 fee to register a car in the Open Category. You must register and pay for your entry at turn-in.

Inspection

- Each car must pass inspection by the Official Inspection Team before it may compete.
- The inspection team has the right to disqualify those cars which do not meet these rules. Car owners who do not meet the appropriate specifications will have an opportunity to fix it, but if the car cannot be modified to meet the rules, the car will be disqualified.
- Once a car passes inspection and is entered into the race, only race committee members can touch it.

Race Day

- If the car loses a wheel or is otherwise damaged, the racer shall have 5 minutes to make a repair.
- Cars with wet paint will not be allowed to race.
- If a car hops off the track, the heat will be run again. If the car hops the track again, it will be disqualified for that round.
- Unsportsmanlike conduct by any participant or member of the audience will be grounds for expulsion from the competition and/ or the race area.
- Not all cars will receive a trophy or ribbon.