

2020 - 2021 Virtual Mawat District Pinewood Derby

Unique for this year, the Mawat District Pinewood Derby will be a "virtual" event and live streamed for all participants and their families. Unfortunately due to expected occupancy restrictions, racers and spectators will not be permitted at the event. Instead race officials will place cars at the starting gate. Car judging will be very similar to years past.

General Information

Date: Saturday, February 6, 2020

Location: Westminster Presbyterian Church; 3639 Old Chapel Hill Rd, Durham, NC 27707

Broadcast Link: (Pending)

Times:

- **Registration:** Runs from 9:00 am to 10:00 am
- **Lions & Tigers:** Racing starts at 10:30 am. Awards will follow the race.
- **Wolves, Bears and Webelos:** Racing directly follows Lions & Tigers. Awards will follow the race
- **Family Racers:** Family races for "Fastest Car" will begin once all scout races are complete

Car Drop-Off and Registration Process: Scouts will present their cars at the Derby location beginning at 9:00 AM before the race. All cars must meet all construction criteria regardless of competing in speed race or visual judging. Scouts will also need to turn in Registration Form signed by scout, adult helper, and Cubmaster as well as the Racer Info Form. Patches will be presented at Registration. We also ask that all Scouts wear their uniform to take a photo for recognizing winners on broadcast.

Car Racing Process: Unfortunately scouts will not be able to race their cars in person this year. Instead race officials will place the cars at the starting gate. Race officials will do their best to place all cars consistently the same way every time, with cars aimed straight down the track and not touching the center guide rail.

Car Judging Process (for Most Original and Most Beautiful): Similar to years past, cars judged on visual appearance will be placed together on showcase tables and reviewed by impartial race officials.

Race Day Show Broadcast: The broadcast program is still being developed, but intent will be to show all heats from all three race series. For each heat, the video will switch between the race computer, starting gate camera, and finish line camera. Broadcast will also attempt to show all visually-judged cars as well. During awards presentations, winners will be announced and a photo of the Scout shown if available.

Returning Cars and Trophies: Cars will be returned to owners and trophies presented to winners between 1:00 and 2:30 pm and 4:00 and 5:00 pm. Cars/trophies can be released to Cubmasters or Assistant Cubmasters with prior notice during registration.

Supplemental Direction

Cubmasters:

- Please ensure that each of your scouts, parents, and leaders receive a copy of the Pinewood Derby rules, Derby procedures, and the Car Diagram/Specifications (everything included in this flyer)
- Complete and sign the “Certification and Registration” form (attached) for all Pack winners that are advancing to the district event, including family racers. A completed form needs to be submitted with each car.

Parents:

- Ensure you submit a “Certification and Registration” form signed by your Cubmaster or Assistant Cubmaster. Note that each participant and adult helper must sign the center part of the form, and both parts of this form must be completed in order to register a car at the District Pinewood Derby
- Submit completed Racer Info Form
- Although this year’s derby is virtual, this is still a rule-driven event to ensure that everything is fair
- Please remember that the Pinewood Derby is **not** an adult-engineering competition
- Use the best equipment you can to determine weight and size. Official race scale reading is final determination of car weight.
- Make sure that the wheels and axles are official BSA parts and that the proper lubrication (**graphite only**, no oil) is used.

Volunteer Opportunities

Pack 451 is hosting this year, and we could really use some adult help! Below are some ways you can volunteer:

Adults:

- Registration: Help scouts through the registration and weigh-in process
- Race Officials: Help set and race scout and family cars
- Pit Row: fast repairs; help resolve any on-the-spot issues to get a scout's car on the track
- Car Return: Need help manning booth to return cars to scouts

Scouts BSA:

Scoutmasters, please encourage your scouts who need service hours to help. Volunteering at this event is recognized by Journey to Excellence. The Committee will provide a letter of service upon request. Due to likely limit of 10 persons inside and safety concerns Scouts BSA volunteer opportunities are outdoor only and will include:

- Directing traffic and scouts during registration
- Car return

To Volunteer, contact: Steve Webb at stevewebb451@gmail.com

District Categories

Each scout may enter only ONE CATEGORY in the Virtual Mawat District Pinewood Derby. Any car which does not meet the District Pinewood Derby rules and car specifications will not be allowed to compete.

Cubmasters **must certify their Scout's** results from Pack races in the Fastest Car category in order to be eligible on race day. See attached form.

This Year's Categories:

- **Fastest Car:** results of racing against scouts in den category
- **Most Beautiful Car:** judged on craftsmanship and workmanship
- **Most Original Car:** judged on how unique the design is. Note that in this category, the car does not have to look like a car. It can be anything you can imagine: a boat, space ship, Star Trek communicator, tank, a foot... the possibilities are endless!

Lions & Tigers:



Lions and Tigers compete together. Packs can use these slots however they wish, but the numbers below are totals, not for each den. For example, in the Most Beautiful Category, there are 8 slots. That could mean 3 Lions and 5 Tigers for a total of 8

- **Fastest Car:** Each Pack can send a total of four (4) Lions and Tigers
- **Most Beautiful:** Eight (8) from each Pack
- **Most Original:** Eight (8) from each Pack



Wolves, Bears and Webelos:

- **Fastest Car:** Three (3) from each Pack
- **Most Beautiful:** Eight (8) from each Pack
- **Most Original:** Eight (8) from each Pack

Family Racers:

Each Pack may certify for competition two (2) Family Racers to compete ONLY in the FASTEST CAR category in the District Pinewood Derby. These participants will compete in a separate special Family Race. These participants may be anyone associated with the pack, example: sibling, den chief, leader, parent, etc.

2020 - 2021 MAWAT Rules, Regulations and Procedures

1. To be eligible to enter the MAWAT District Pinewood Derby, every scout must be a currently registered Cub Scout or Webelos Scout in the MAWAT District. Lion & Tiger Cubs are eligible to enter the District Derby in a special Lion/Tiger Division. Each Pack may also select two family racers to participate in a family race (i.e., non-Scout) race for speed only. All Cub Scouts, including Lions/Tigers, may be entered in only one category. The categories are: Fastest, Most Beautiful, and Most Original. Most BEAUTIFUL CAR will be judged on CRAFTSMANSHIP / WORKMANSHIP. Most ORIGINAL CAR will be judged on UNIQUE / INNOVATIVE DESIGN.
2. Cars must be constructed during *this* Scouting year (i.e. post August 2020). The car must not have competed in any previous District Pinewood Derbies.
3. Cars should not be altered in appearance or otherwise modified between the Pack Derby and District Derby.
4. Scouts must register their own cars. Cubmasters and parents cannot register cars without scout present.
5. EACH CAR MUST PASS INSPECTION before it can be entered into the Derby, regardless of the category in which the car will compete.
6. ALL WHEEL and AXEL LUBRICATION must be completed BEFORE inspection and registration. Only graphite lubrication is allowed. No further lubrication will be permitted or performed by race officials.
7. Rulings from the Inspection Committee, Race Officials, and District Judges are final.
8. The District race will use a track and an electronically controlled computer system which is to be provided by, and under the control of, the host pack. The fastest cars will be determined by competition heats with all cars raced on each available lane. Series winner will be the car with the lowest combined race times from all heats – also referred to as highest average speed.
9. If a car is unable to reach the finish line for the first time race officials will attempt to repair the car and the heat will be re-run. Repair time is 2 (two) minutes only and limited to use of two-sided tape or super glue to re-attach weights or axles. The District will not have tools to make repairs. Only 1 (one) repair is allowed per contest. If a car is unable to reach the finish line for a second time it will be removed from competition.
10. Should there be a failure of the computerized timing system, double elimination will be used. If double elimination is used, a car will have to lose against two different cars to be out of the race. (Unless the two cars in the finals have no losses, then one car must lose to the other twice to be eliminated).
11. Even if a scout's car wins a heat or even all heats raced, the car still might not win a trophy.
12. The balance or scale (for weight) and the box or any other measuring device used at the District Level is the standard for the District Pinewood Derby. Weight may be reduced in order to meet specifications, but weight may not be added.

Please review the 2020-2021 Pinewood Derby Rules, Regulations and Procedures

