

St. Michel Parish Festival Pinewood Derby Rules (2019 edition, 09/04/2019)

Eligibility and Entry:

All members of St. Michael Parish are eligible to enter one or more cars. The entry fee is \$5.00 per car.

All cars which pass inspection will be raced on the day of the race. Any cars which do not pass inspection may still be considered for design awards, but will not be raced.

This year there is only one racing division. Awards will be given to the 1st, 2nd, and 3rd place winners.

Design awards will also be given in the following categories:

Most Saint Michael Spirit

Best Paint

Best Woodwork

ALL CARS MUST PASS INSPECTION TO QUALIFY FOR THE RACE

Following are the inspection points:

Weight:

1. The car weight shall not exceed 5.0 ounces. The official race scale shall be considered final.

(Important: If the weight of the car is over on the official scale you will need to remove weight in order to participate. Take this into consideration when adding weights because you will need a way to remove some weight on race day. Another option is to err on the side of caution and don't try to maximize the weight at home. Leave some room to add weight on race day.) The scale will be available on Saturday to check weight before the official race on Sunday.

Dimensions:

2. The overall length of the car shall not exceed 7 inches.
3. The overall width of the car shall not exceed 2 ¾ inches.
4. The car must have 1 ¾" clearance between the wheels.
5. The car must have 3/8" clearance underneath the body between the wheels in order to clear the center guide rail through the transition.
6. The car must not exceed 5 1/2 inches in height.

Materials

7. The car must be built using an official BSA Pinewood Derby Kit. Kits are available in town at Dom's Outdoor Outfitters, online at www.scoutstuff.org, or anywhere scouting supplies are sold. Officially licensed BSA kits (Revell) are also permitted.
8. The wood provided in the kit must be used. The block may be shaped any way that is desired, however excessively pointed front ends are difficult to stage behind the starting gate, and so are discouraged. A front-end width of ½" minimum is recommended to ensure proper staging and accurate sensing by the finish gate. Cars which can not be reliably staged will be disqualified from racing.

9. Official BSA Pinewood Derby wheels must be used. Wheels are included in the kit, but additional wheels can be purchased separately and in different colors so long as they are marked "Official B.S.A."
10. Wheels may not be cut, drilled, beveled, rounded, or machined such that substantial mass is removed or contact with the track surface is reduced.
11. The axles supplied with the kit or wheels must be used. They may be filed, sanded, polished and/or lubricated.
12. Wheel bearings, washers or bushings are prohibited.
13. The car must not ride on any type of springs.
14. The car must be freewheeling, with no starting devices.
15. No loose material of any kind, such as lead shot, may be used.
16. The car body may have no moving parts.
17. The car may not be constructed or treated in such a way that the track's starting mechanism imparts momentum to the car. (For instance, this provision disqualifies cars with sticky substances on the front of the car and protrusions which may catch on the starting pin.)
18. The car may be decorated with any materials desired so long as they do not violate the other rules. Creativity is encouraged!
19. Any lubricant may be used on the axle/in the wheel bore. Recommended lubricants include Graphite, Teflon Powder, Krytox, and NyOil. Over-lubrication such that excessive lubricant is shed as the car rolls is prohibited.

Race Logistics

20. The race will be run on a point elimination system, where a point limit is set and all racers begin with zero points. For each race run, the winning car receives zero points, the second-place car receives one point, and the third-place car receives two points. Once a car's points exceed the point limit, it is eliminated from competition. When three cars remain, the first to be eliminated is awarded third place, the second to be eliminated is awarded second place, and the remaining car is awarded first place.
21. All entrants will race in one division.
22. Additional honors will be awarded to cars at the discretion of the race committee.
23. If, during a race, a car leaves the track without interfering with its opponent, it shall be considered to have ended its heat at that point.
24. If a car leaves its lane, at his sole discretion, the track chairman may inspect the track and, if a track fault is found which probably caused the initial violation, the track chairman may order the race to be rerun after the track is repaired.
25. If, during a race, no car reaches the finish line on the track, the car which went the farthest in its lane shall be declared as the heat winner.
26. If, during a race, a car leaves its lane and, in so doing, interferes with another racer, then the car at fault shall be declared to have lost the race heat.
27. Following check-in, the car will be handled only by designated race officials.
28. In the event that a car is damaged during the course of racing, an appropriate amount of time not to exceed 15 minutes will be given for the race to repair the car and return it to the field. Depending on the nature of the repair, re-inspection may be conducted by the track chairman.