

2021 MUSKOGEE DISTRICT - PINWOOD DERBY RULES

Cub Scout Pinewood Derby is for current Lion – Arrow of Light ranks. The district race will principally use the rules and specifications found in your official kit. Although we encourage innovation, there are some basic limitations:

1. **Car.** The car must have been made during the current Scouting year (cannot have raced any previous year). All car bodies (wood) and wheels shall be from **official BSA kits**. The wheels should be unchanged in original shape and condition.
2. **Width.** The overall width of the car shall not exceed **2-3/4 inches (2.75")** – Width between wheels must be at least **1-3/4 inches (1.75")** to operate on the track.
3. **Clearance.** Bottom clearance between car and track should be at least **3/8 inch (0.375")**.
4. **Length.** The overall length of the car shall not exceed **7 inches (7.00")**.
5. **Weight.** The weight of the car shall not exceed **5 ounces**. No loose materials of any kind are permitted in the car. The car may be hollowed out and built up to the maximum weight by the addition of wood or metal only, provided any additional material is securely built into the body.
6. **Wheel bearings**, washers, and bushings are prohibited.
7. **Springing.** The car shall not ride on any type of springs.
8. **Lubricant.** Only DRY lubricant is permitted. Krytox lubricant is **NOT PERMITTED**.
9. **Details.** Details such as the steering wheel, driver, decals, painting, and interior detail are permissible as long as these details do not exceed the maximum length, width, and weight specifications.
10. **Propulsion.** Gravity - The car must be freewheeling, with no starting devices.
11. **Inspection.** Each car must pass official inspection before it will be allowed to compete. The inspectors have the right to disqualify those cars that do not meet these specifications. If at registration, a car does not pass inspection, the owner will be informed of the reason for failure and will be given time within the official weigh-in time period to make the adjustment.
12. **Note:** Pinecar brand and other **NON-BSA** car bodies, wheels, and axles will be **disqualified**.

RACE PROCEDURES:

1. Drivers must check their cars in at "Pit Row" to be inspected. Upon passing inspection, cars are impounded and are restricted from any further modification.
2. Each heat and run will be announced and/or posted and race officials will place the cars on the track in their assigned lanes. All cars will be raced in all lanes.
3. No drivers or cars may be added once the heats have begun. Be on time **(10:45 am is cut-off)**.
4. The Starter will make sure the cars are on the track properly and then will start the run.
5. Race manager software will set up heats and runs and will measure and record times. Winner and subsequent places will be based on **total lowest elapsed time for all heats**.
6. Although all cars are run together, race management software will score places by Rank.
7. If a car leaves the track, runs out of its lane, interferes with another car, loses an axle, etc., the run will be rerun. Every reasonable effort will be made in order to record a fair time for each competitor. Race officials will have the final decision if a competitor cannot finish a heat or causes interference to other cars.
8. Once race officials accept the results of each run, they will return competing cars to the holding area.
9. Results and Awards will be announced shortly after the final heat

NO ONSITE REGISTRATION - For additional information or questions please contact Muskogee

District Pinewood Derby Chairman, John Adams via email: jadams.bsa@gmail.com