

FOX NATION

Official 2022 PINEWOOD DERBY Rules

1. NEW FOR 2022 (FINALLY!!) All cars must be made from [Boy Scouts of America Official Pinewood Derby Car Kit](#). Previous Fox Nation kits are not allowed. All cars must be built for the current Pinewood Derby Season.



2. WIDTH: Overall width shall not exceed **2-3/4** inches. Do not narrow width of body in the area around axles, as this maintains wheel spacing.
3. LENGTH: Overall length shall not exceed **7** inches.
4. WEIGHT: Overall weight shall not exceed **5** ounces. No loose or shifting material of any kind is 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 it is securely built into the body or the chassis. No mercury or other liquid metal may be used. Any and all weights must be securely attached to the car. The official Race Scale used at check-in shall be considered final.
5. GROUND CLEARANCE: Minimum ground clearance shall not be less than **3/8** inches from the lowest point of the body to the ground.
6. BODY: The official pinewood block must be used. The car body may be shaped to any design, provided it does not exceed any of the overall limits. The entire car body may be painted.
7. WHEELS: The official wheels must be used. Width between wheels should be maintained no less than **1-3/4** inches. The wheels may not be cut, drilled, beveled, or rounded. You may remove seams and imperfections from the wheels. Wheel bearings or bushings are not permitted. Do not place washers or spacers between wheel and body.
8. AXLES: The official nail pin axles must be used. They may be filed, sanded, and polished to remove burs. Axles may be bent to help reduce wheel friction near the body.



9. LUBRICANTS: Approved lubricants include (but not limited to) graphite, Teflon, Nyoil, and Krytox.
10. SPRINGING: The car shall not ride on any type of spring. The axles must be rigidly attached to the body.
11. DETAILS: Any details must be attached securely to the car and must not exceed the overall weights and dimensions.
12. ATTACHMENTS: The car must be freewheeling with no starting devices.
13. INSPECTION: Each car must pass inspection by the race committee before it may compete. The inspectors have the right to disqualify those cars that do not meet these specifications. No substitute of any part is permitted. No additional weight can be added or lubrication applied after the car is registered. *Last minute adjustments must be made before registration.*
14. The construction of the track is made so that the cars are kept in lanes by a lane strip. Failure to keep the car within these specs may cause the car to drag on the lane strip or run erratically down the track.
15. If a car is damaged after check in, it may be repaired under the judges' supervision. **NO ADDITIONAL** lubrication may be added. Any part or parts that come off must remain off except for axles, wheels, or wheel retainer clips.
16. **THE DECISION OF THE JUDGES IS FINAL.**
17. Remember, this is a FATHER and CHILD project. It must be apparent that you worked on this together. One car per child and the child must be present to run the car.

Fox Nation 2022 Pine Wood Derby
Sunday, March 13

Check-in starts at 11:00

Races start at 12:00

Everett Elementary School

1111 Everett School Rd in Lake Forest 60045

Fox Nation does have some cars still available for \$5. Contact [Jeff Soukup](#)

You **must pre-register** in our shop at ***foxnation.org*** in order to participate!

Entry Fee \$15.00 per car. Includes pizza and water!

Break out the power tools, sandpaper, and paint and create the fastest and coolest car you can. Trophies will be awarded for the fastest cars for boys and girls tribes, as well as a special trophy for overall fastest car. Design trophies will be awarded for the coolest car designs as well as trophies for the most authentic Native American themed designs.

This is an all family event, so bring the siblings and invite the grandparents.

