



2025 Miami Valley Council Pinewood Derby

Saturday, March 22nd, 2025

National Museum of the United States Air Force
1100 Spaatz St, Wright-Patterson AFB, OH 45433



Once your Pack's race is run, you may register your top two finishers in each Rank (Lion, Tiger, Wolf, Bear, Webelos and Arrow of Light - even if they have recently crossed over to a Troop) in the Miami Valley Council Pinewood Derby. Each Pack may register a total of 12 Scouts to represent your Pack at the Council Pinewood Derby. The pack may also include one car for Best in Show. This car is not able to race and will be judged solely on appearance.

Please let the youth do as much work on the car as possible. All cars must pass inspection to qualify for the race. The inspection points are as follows:

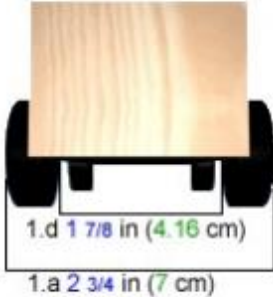
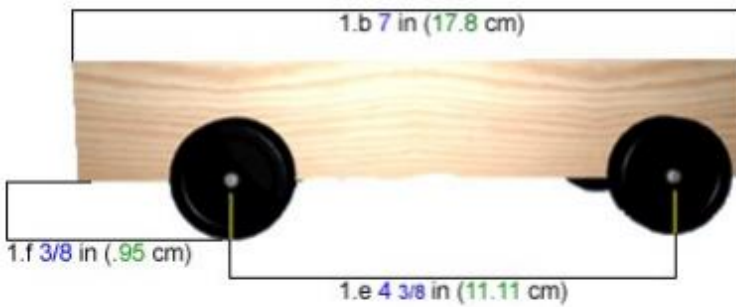
- A. The car must have been made during the current school year (the year in which the Council Derby is held).
- B. Width - overall width shall not exceed 2.75" (2-3/4 inches). Minimum track width (space between insides of wheels) must be at least 1.875" (1-7/8 inches)
- C. Length - overall length shall not exceed 7 inches. (Note: check your length, cars out of the box are sometimes over 7 inches.)
- D. Height - overall height shall not exceed 3 inches.
- E. Weight - Shall not exceed 5 ounces on our scale.
- F. Wheel bearings, washers, bushings or hubcaps are prohibited.
- G. No solid axles, only the official Grand Prix Pinewood Derby kits with nails for axles can be used. Wheel base cannot exceed 4.375" (4-3/8 inches) Center to Center of axles. Rear axle must be no more than 1" from the rear of the vehicle. The smaller space between the axle and the end of the wood block is the rear of the car.
- H. The car shall not ride on any kind of springs.
- I. Dry Lubricant only. No Liquid Lubricant allowed.
- J. Wheels can be sanded to remove surface imperfections, but the treads must be left flat. Wheels cannot be any smaller than 1.170" diameter. You cannot remove any significant amount of plastic - inside or outside of wheel. Only the Official BSA Pinewood Derby Wheels are acceptable. Cars with modified wheels will be disqualified.
- K. Must have a .375" (3/8 inch) clearance under the car body. Any low hanging weights must be moved to another part of the car or recess into the bottom of the car to pass the .375" clearance.
- L. Any details added must be within length, width, and weight limits.
- M. No loose materials of any kind are allowed on the car. If anything falls off during or after a race, it stays off.

If you have any questions regarding these rules, please email Jon Wells at jonwells.bsa@gmail.com.



Sunwatch District Pinewood Derby

INSPECTION REPORT

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|---|---|---|
| PASS | <input type="checkbox"/> PRELIMINARY <input type="checkbox"/> FINAL | |
| <input type="checkbox"/> | Maximum Width 2 3/4" |  <p>1.d 1 7/8 in (4.16 cm) 1.a 2 3/4 in (7 cm)</p> |
| <input type="checkbox"/> | Minimum Track Width 1 7/8" | |
| <input type="checkbox"/> | Maximum Body Length 7" | |
| <input type="checkbox"/> | Minimum Ride Height 3/8" and Maximum Total Height Less Than 3" | |
| <input type="checkbox"/> | Wheelbase 4 3/8" and Distance From Center Of Rear Axle To Rear 1" | |
|  <p>1.b 7 in (17.8 cm) 1.f 3/8 in (.95 cm) 1.e 4 3/8 in (11.11 cm)</p> | | |
| <input type="checkbox"/> | Front of Car - No part of the car can extend beyond the starting post and the front. | |
| <input type="checkbox"/> | OFFICIAL MATERIALS USED - WHEELS, AXLES, & WOOD | |
| <input type="checkbox"/> | PARTS SECURELY ATTACHED - ALL PARTS SECURELY ATTACHED TO CAR | |
| <input type="checkbox"/> | WHEEL SHAPE - THE SHAPE AND FORM OF THE WHEELS CANNOT BE MODIFIED OR RESHAPED, however wheels may be sanded to remove molding burrs. Wheels may not be tapered or rounded. | |
| <input type="checkbox"/> | Maximum Weight - Not over 5 Ounces (141.75 grams) | |

