

## WESTMORELAND COUNTY PINEWOOD DERBY CHAMPIONSHIPS RULES & REGULATIONS FOR ALL PINEWOOD DERBY CARS

### REGULATIONS:

1. **Cars must be made from the official BSA pinewood kit and must be made new since the 2022 Pinewood Derby.** In other words, you cannot race a previous year's car.
2. **Parts may only be purchased from BSA licensed vendors. Scouts must use the Chassis, axles, and wheels that come in the kit.** (Replacement wheels and axles, item and the new colored wheels from the BSA store or [www.scoutstuff.org](http://www.scoutstuff.org) are the only allowed wheel or axle change from what comes in the original kit. This kit may only be purchased at a BSA Scout store or from [www.scoutstuff.org](http://www.scoutstuff.org). Please access the scoutstuff.org site via the Westmoreland Fayette site to give our council credit for the purchase.) Decorative items may be purchased from any source and used if the car passes all other inspection criteria.
3. **A Scout must race the car they qualified with in their pack's pinewood derby.**
4. **A Scout must be present in Field (Class A) uniform to register and race their car.** (Scouts are representing their pack and the district in a public event). Scouts without a Class A uniform ***will not*** be able to race. At minimum the scout should have their Class A shirt and blue jeans or official BSA pants.
5. Each Unit MUST pre-register their entrants in the race.  
**NO ONE CAN REGISTER THE DAY OF THE RACE**
6. **Deadline** for registration entries is **5-PM on Friday, January 27, 2023**, and the fee is \$6.00 per scout
7. Because the event will be held in a public location, and there is no reasonable expectation to privacy, all participants and attendees' photos may be taken and used by the media. Additionally, the Westmoreland Fayette Council and the Westmoreland Mall may feature photos, names and result via their social media or corporate websites.
8. When the Scout signs in the day of the race, the registrar will assign them a number that will be placed on their car. Their car will then go to the inspection station. Alterations necessary for inspection are the sole responsibility of the parent of the participant. The staff will not supply any equipment or materials for alterations. – ***The Scout must register their own car. They must be present and carry the car. Parents are NOT allowed to register a car for a Scout! Scouts MUST register the car during the allotted registration time! We will not accept any cars after the window of registration as it will delay races all day!***
9. ***Decision of the inspection judge is final.*** After inspection, the cars will remain in the race area until they are done racing.
10. Each heat will be announced. When your car is "ON DECK", please report to the finishing line. Scouts will watch their car cross the finishing line on all lanes. All other people must remain behind the barrier.
11. If a car leaves the track, runs out of its lane, interferes with another car, loses an axle, etc. the heat will be rerun. If the same car gets into trouble on the second run, the contestant will be disqualified. If, on the second run, another car is interfered with, the heat will be run a third

time but without the disqualified car. Any repairs made due to an accident must be done under the supervision of a race official only!

12. When the results of each heat are recorded, the drivers will return to their seats.
13. Winners will be announced at the end of the race. Winners must be present for trophy presentation. Those winners will report to the stage for presentation and pictures.
14. ***Un-Scout like conduct by any Adult or Scout participant will not be tolerated, and they will be asked to leave the race area.***
15. It is the right of our race officials to disassemble any car at their discretion.
16. No Magnets or magnetic devices allowed anywhere on the car.
17. Scouts must identify the front of their car.
18. Cars may not extend past the starting mechanism. If the front of a car extends past the mechanism, it will be raced backwards. If the back end extends past the mechanism, the car will be disqualified.

The mechanism is a rod in the center of the lane.

19. ***All decisions of race officials are final.***

## 20. DIMENSIONS

- a. Maximum width (wheels & axles) 2  $\frac{3}{4}$ "
- b. Minimum width between wheels – 1  $\frac{3}{4}$ "
- c. Maximum length – 7"
- d. Wheelbase distance may NOT be changed
- e. Official Scout Grand Prix Pinewood Derby Kit ONLY- no parts from the Internet or other vendors.

## 21. WEIGHT/HEIGHT

- a. Maximum weight – 5 ounces
- b. Maximum height—6 inches
- c. Official weight will be determined by the official race scale on race day. The weight decision is final regardless of the car's weight on other scales.

## 22. WHEELS & AXLES

- a. Official Scout Grand Prix Wheels and Axles ONLY. The official BSA colored wheels purchased from the Westmoreland-Fayette Council store or [www.scoutstuff.org](http://www.scoutstuff.org) are the only wheel changes allowed.

### **WHEELS CANNOT BE MODIFIED**

- b. NO wheel bearings, washers, bushings, or springs.
- c. Wheels may be lightly sanded to remove mold projection  
**NO OTHER WHEEL CHANGES ALLOWED!**  
No beveling, tapering, thin sanding, wafering or lathe turning.

WHEEL PROFILE MUST REMAIN AS SUPPLIED BY THE OFFICIAL BSA KIT.

- d. Wheels must be completely visible
- e. Axles must use slots provided in the block of wood. They may be polished

- f. **Axle slot must be visible. Do not cover or fill groove completely. Judges must be able to see the center of the groove. Axle Guards will not be allowed.**
- g. Only the axles that come with the official BSA kit, or from **item #17006**, (replacement wheel and axle kit), or from the allowed colored wheels may be used. Single solid axles are not allowed.
- h. No loose materials of any kind are allowed in or on the car.

**23. LUBRICATION**

- a. Graphite ONLY. No oils or silicone sprays permitted.
- b. Cars are to be lubricated before sign-in that day.

- 24. Failure to follow the rules and regulations will result in disqualification.

**WESTMORELAND COUNTY PINEWOOD DERBY CHAMPIONSHIPS**  
**PINEWOOD DERBY PRE-REGISTRATION**

Date of race: February 04, 2023  
Place of race: Westmoreland Mall (Center Court)  
Fee: \$6.00 each car (*This includes all Show Cars, but excludes Alternates*)  
Times of races:

Lions and Tigers (Bushy Run District) 10:00 AM (~~8:30a-9:30a—registration~~)  
Cubs/Webelos/AOLs (Bushy Run District) 12:00 PM (~~10:30a-11:30a—registration~~)

Lions and Tigers (Laurel Hills District) 2:00 PM (~~12:30p-1:30p—registration~~)  
Cubs/Webelos/AOLs (Laurel Hills District) 4:00 PM (~~2:30p-3:30p—registration~~)

- **DEADLINE** FOR REGISTRATION ENTRIES IS **5PM ON FRIDAY, JANUARY 27, 2023**, AND THE FEE IS \$6.00 PER SCOUT/ENTRY
- **EACH CAR MUST PRE-REGISTER IN ORDER TO RACE. THERE WILL BE ABSOLUTELY NO REGISTRATION THE DAY OF THE RACE.**

Each Unit can send 3 racers of the Tiger Cub race and 3 racers for the Cub race (You may list 2 alternates that may race if the 3 are unable to race that day). Units with more than 30 members may send an additional 2 racers for a total of 8 racers. (EXAMPLE: If your unit has 30 + Registered Scouts, you may send 4 Tigers and 4 Cub Scouts.)

There will be a Most Original category and Best Design category this year. You may register 1 scout in each category for a total of 2 show cars for Tigers and 2 show cars for Cubs. Packs over 30 registered Scouts can send 2 additional cars for each category (total 4 show cars). Show cars are not to be entered for races. They will be displayed and voted on by the other scouts.

**REGISTER SCOUT NAMES at the following link:**

[https://docs.google.com/forms/d/e/1FAIpQLSci\\_fudKdR32KxW2u24156Bpg1Ty3T690EIJR\\_aCOcw8r9OuW/viewform?usp=pp\\_url](https://docs.google.com/forms/d/e/1FAIpQLSci_fudKdR32KxW2u24156Bpg1Ty3T690EIJR_aCOcw8r9OuW/viewform?usp=pp_url)

***IF Unable to use the Link,***

***Paper REGISTRATION FORMS MUST BE COMPLETED! Email them to [brd.wfc@gmail.com](mailto:brd.wfc@gmail.com) or send them to the Council Service Center by FRIDAY, January 27, 2023.***

***\*\*ALL FEES MUST BE PAID TO THE COUNCIL OFFICE BY FRIDAY, January 27, 2023.***

**Please send a car for each category, one car will not be able to enter in two categories.  
Ex: A car entered as Most Original will not be able to enter as speed also.**

# WESTMORELAND COUNTY PINWOOD DERBY CHAMPIONSHIPS

PLEASE PRINT CLEARLY – THANK YOU!

PACK/Unit # \_\_\_\_\_ Adults (how many) \_\_\_\_\_ Siblings (how many) \_\_\_\_\_

## RANK: LION/TIGER CUB SCOUTS

NAMES: \_\_\_\_\_

\*Alternates: \_\_\_\_\_ (no fee for Alternates)

Most Original \_\_\_\_\_

Best Design \_\_\_\_\_

## RANK: CUB SCOUTS/WEBELOS/AOLs

NAMES: \_\_\_\_\_

\*Alternates: \_\_\_\_\_ (no fee for Alternates)

Most Original \_\_\_\_\_

Best Design \_\_\_\_\_

## PACKS WITH OVER 30 REGISTERED SCOUTS

## RANK: TIGER CUB SCOUTS

NAMES: \_\_\_\_\_

Most original \_\_\_\_\_ Best Design \_\_\_\_\_

## RANK: CUB SCOUTS

NAMES: \_\_\_\_\_

Most original \_\_\_\_\_ Best Design \_\_\_\_\_

\_\_\_\_\_ ENTRIES @ \$6.00 EACH = \_\_\_\_\_

\*Don't pay for alternates—ALTERNATES ONLY RACE IF ONE  
OF THE REGISTERED SCOUTS CANNOT ATTEND THE DAY OF THE RACE.

## General Race Information

Volunteers run the **WESTMORELAND COUNTY PINEWOOD DERBY CHAMPIONSHIPS** under the supervision of the District Executives of Bushy Run District and Laurel Hills District. Any questions regarding the championships can be directed to 724-837-1630 (Ext: 306 Bushy Run District or 316 Laurel Hills District).

### How the Speed race is run:

We will use 3-lanes of the track with a computerized scoring system for race results. Each Scout will race their car 3 times, once on each of the 3 designated lanes. The computer will record the scout's time for each lane. The 3 times are used at the end to determine the overall fastest car. The times are to the thousandth of a second, so they are very accurate.

The announcer will announce each heat and the "On Deck" heat. Scouts are to be at the finishing line when it is their heat. Scouts should come to the finishing line when they are "ON DECK". This will expedite the entire process.

Once registration is closed, no scout can join the race. Please be prompt to register your car!

### How the Best Design and Most Original are judged:

All rules for the speed cars apply to the "show" cars. This includes height/weight, etc. Decorative items may be purchased via internet/other vendors as long as the original BSA kit was used per the stated rules.

The scouts registered in the District Pinewood Derby will decide winners in the Best Design and Most Original categories. Each scout will be given one vote. The car with the most votes will be declared the winner.