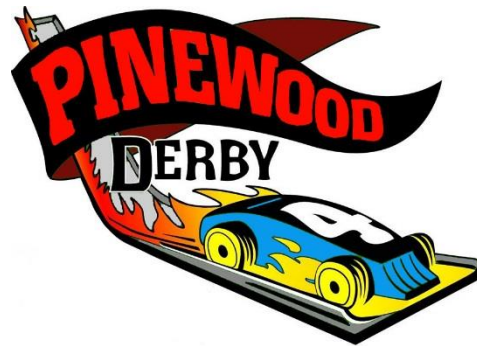




Two Mountains District
2023
Pinewood Derby



TWO MOUNTAINS DISTRICT
2023
CUB SCOUT RACES
PINEWOOD DERBY

Saturday, April 15, 2023
Wyoming Valley Mall

29 Wyoming Valley Mall, Wilkes-Barre Township, PA 18702

\$7.00 per Cub Scout per race entered
\$10.00 per Cub Scout per race if
registered after April 7th

No registrations will be accepted after April 13th, 2023.

Make Checks Payable to NEPA Council, BSA
Mail Registration & Check to:
NEPA Council, BSA
72 Montage Mountain Road
Moosic, PA 18507
Or register online at nepabsa.org

All Scouts must be in Class A uniform to participate.

Only Cars raced in 2023 Pack Races May Be Raced!

**Photos will be taken and may be submitted for publication in the local media or
on the council website.**

***Any change in pre-registered Scouts names must be made by contacting
the Scout Shop at the Scout Service Center***

CUB SCOUT RACE SCHEDULE

PINEWOOD DERBY

11:30 – 12:00 AM Registration – Lions
12:15 PM Race – Lions

12:15 – 12:45 PM Registration – Tigers
1:00 PM Race – Tigers

1:00 – 1:30 PM Registration – Wolves
1:45 PM Race – Wolves

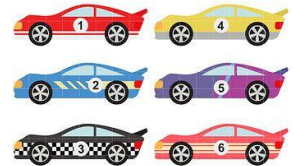
1:45 – 2:15 PM Registration – Bears
2:30 PM Race – Bears

2:30 – 3:00 PM Registration – Webelos (4th Grade)
3:15 PM Race – Webelos (4th Grade)

3:15 – 3:45 PM Registration – Webelos (5th Grade)
4:00 PM Race – Webelos (5th Grade)



TWO MOUNTAINS DISTRICT PINEWOOD DERBY RACE



OFFICIAL CUB SCOUT PINEWOOD DERBY CAR RULES

ALL CARS MUST PASS INSPECTION TO QUALIFY FOR THE RACE!

- 1. CAR MUST BE BUILT USING THE OFFICIAL BSA GRAND PRIX PINEWOOD DERBY CAR® KIT!**
- 2. Width** shall not exceed **2 ¾ inches.***
- 3. Length** shall not exceed **7 inches.***
- Overall **height** of the car shall not exceed **3 inches.**
- Weight** shall not exceed **5.0 ounces. THE OFFICIAL RACE SCALE SHALL BE CONSIDERED FINAL.**
- Minimum **width between wheels** shall be **1 ¾ inches.**
- Wheel bearings, washers, and bushings are **NOT** permitted.
- The car shall **NOT** ride on any kind of spring.
- Wheels shall be **ORIGINAL** Width. **NO** sanding to the sides of the wheel or hub will be allowed.
- Wheels shall be marked **BSA** and be **flat. NO** "H" or "V" shaped wheels allowed. Light sanding to the flat surface to remove debris from the molding process, will be allowed.
- Solid or one-piece axles are **NOT** allowed.
- There must be a **MINIMUM** of **3/8** of an inch clearance between the bottom of the car and the bottom of the wheel where it contacts the racetrack surface. If there is less than a **3/8 inch** clearance, the car will drag on the slot guide on the track.
- ONLY** dry (powdered graphite) lubricant is allowed. Lubricating oil, grease or Vaseline may **NOT** be used.
- The car must be free-wheeling, with **NO** kind of starting device.
- No** loose materials of any kind are allowed in or on the car. Everything on or attached to the car, including all weights, must be attached in a permanent fashion.
- Details such as a steering wheel and driver are permissible as long as these details do **NOT** exceed the maximum length, width, clearance and weight specifications (items 1-6, above).
- All cars must have a solid front for the starting pin. **NO** part of the car can be in front of the starting pin.

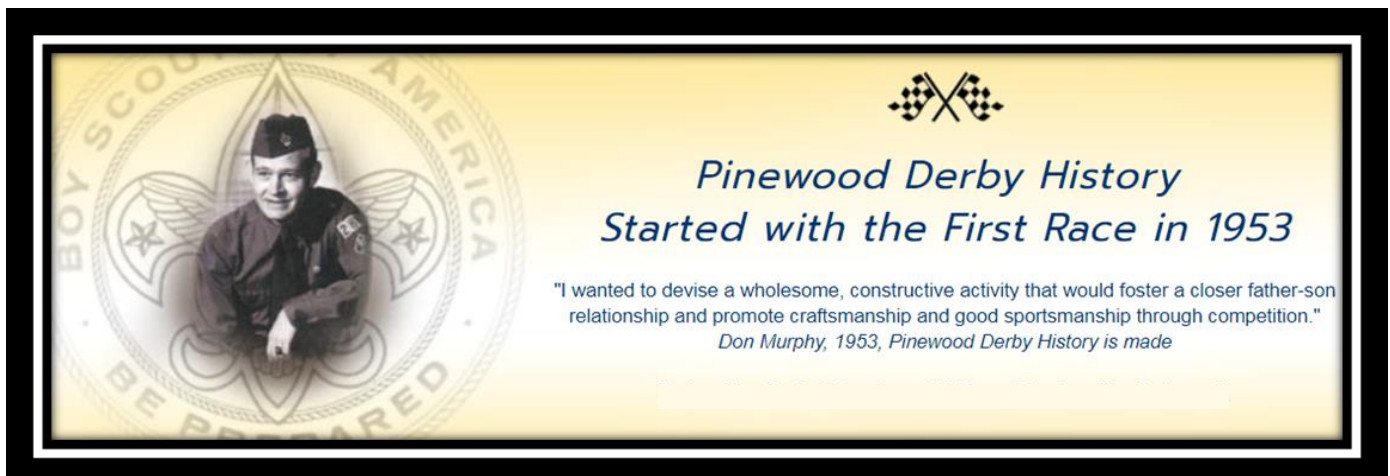
PINEWOOD DERBY PRE-RACE INSPECTION PROCEDURES

1. A pre-race inspection will be conducted beginning 1 hour prior to the start of each den race to determine if **the car meets the necessary qualifications**.
2. An official (**pre-checked**) scale will be used to certify weight of all cars.
3. Cars will be checked for conformance to the **Pinewood Derby Car Rules**, above.
4. The decision of the pre-race judges is **FINAL**. Cars meeting the requirements will be certified.
5. If, at registration, a car does not pass inspection, the scout and their parent(s) will be informed of the reason for failure and **WILL BE GIVEN** until the beginning of the races to make adjustments such as correcting weight overages in a permanent fashion. Once a car has been certified as meeting all requirements, a number will be attached.
6. Following certification the car will be placed on the appropriate location on the official Pinewood Derby car table, to **await** the race.
7. After the car is placed on the official Pinewood Derby car table, the **ONLY** persons allowed to touch the cars will be the scout and/or race officials.

PINEWOOD DERBY RACE PROCEDURES

1. The Cub Scout must be pre-registered and present to race.
2. Cars will be called by number to race. The computer will determine race and starting track.
3. When called, the **scout** will carry **their** car from the car table to the **starting official**.
4. The **starting official** will place the car on the track.
5. **NO ONE** else may handle a car but the Cub Scout or the race officials.
6. A computerized clock will time the races. The scouts are running against the clock, **NOT** each other.
7. Each scout will race in his own "**DEN**".
8. Cars will race six at a time. Each car will run once on each track.
9. If a car leaves the track. **Disqualification** may be ruled at the judges' discretion.
10. **If a car must be repaired due to jumping the track, etc., the Cub Scout should immediately request time for repairs. A maximum of 5 minutes will be allowed to repair the car. The scout and one parent are the only persons allowed to work on the car. Repairs may be done only in the area designated by race officials. Once the car has been repaired, the owner should immediately notify the race official in charge and the repaired car will then be rechecked to be sure it still meets requirements. If repairs are not completed in the maximum time allowed, the damaged car shall be disqualified.**
11. Trophies will be awarded at the end of each Den race to the 1st, 2nd, and 3rd place winners in each rank.
12. The car must have been built in the year it was raced at the pack level. Cars raced in previous years will not be permitted to race. A Scout is **Trustworthy**.
13. **Even if the car passes the registration process it still may be disqualified if a violation is found.**

**ALL DECISIONS OF THE JUDGES ARE
FINAL AND NON-DISPUTABLE.**



**Scouts BSA / Venturing / Sea Scout / Adult Leader
SCOUT RACES**

OPEN PINWOOD DERBY

Saturday, April 15, 2023

Wyoming Valley Mall

29 Wyoming Valley Mall, Wilkes-Barre Township, PA 18702

\$10.00 per Scout per race entered.

\$15.00 per Scout per race if registered after April 7th.

No registrations will be accepted after April 13th, 2023.

Make Checks Payable to NEPA Council, BSA

Mail Registration & Check to:

NEPA Council, BSA

72 Montage Mountain Road

Moosic, PA 18507

Or register online at nepabsa.org

All Scouts must be in Class A uniform to participate.

**Photos will be taken and may be submitted for publication
in the local media or on the council website.**

*Any change in pre-registered Scouts names must be made by
contacting the Scout Shop at the Scout Service Center*

Scout BSA / Venturing / Sea Scout / Adult Leader

OPEN PINWOOD DERBY
RACE SCHEDULE

11:30 – 12:15 AM Registration

1:00 PM Race

Two separate areas will be provided for Scout BSA / Venturing / Sea Scout / Adult Leaders. These areas will consist of separate registration/inspection tables and racing will be done in between cub races.

These races were created for a fun experience for all scouters, especially cub scouters, to see how creative and innovative pinewood derby cars can become.

The Boy Scout / Venturing / Sea Scout / Adult Leaders will be having a separate set of rules and regulations to follow as shown on the following pages. Please read accordingly and know that this event was for the FUN and SPIRIT of the Pinewood Derby. We would like cooperation up to and throughout the event for this experience to continue for later years to come.

PLEASE BE AWARE THAT RULES, REGULATIONS, AND DECISIONS BY JUDGES ARE FINAL AND NON-DISPUTABLE.

IF PERSON DOES NOT ABIDE BY RULES PARTICIPANTS
CAR IS DISQUALIFIED FROM RACE. NO EXCEPTIONS!

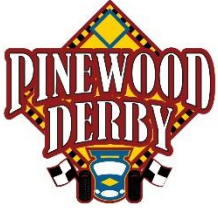
TWO MOUNTAINS DISTRICT OPEN PINEWOOD DERBY RACE

OFFICIAL SCOUTS BSA / VENTURING / SEA SCOUT / ADULT LEADER PINEWOOD DERBY CAR RULES

ALL CARS MUST PASS INSPECTION TO QUALIFY FOR THE RACE!

1. **CAR MUST BE BUILT USING THE OFFICIAL BSA GRAND PRIX PINEWOOD DERBY CAR® KIT!**
2. **Width** shall not exceed **2 ¾ inches.***
3. **Length** shall not exceed **7 inches.***
4. Overall **height** of the car shall not exceed **3 inches.**
4. **Weight** shall not exceed **5.0 ounces.** THE OFFICIAL RACE SCALE SHALL BE CONSIDERED FINAL.
5. Minimum **width between wheels** shall be **1 ¾ inches.**
6. The wood provided in the kit must be used. The block may be shaped any way that is desired. Wood can be added as long as the addition does **NOT** exceed the maximum length, width, height and weight specifications.
7. No restriction on **ANY CERTIFIED BSA** wheels. Wheels may be modified in any way.
8. No restriction on **ANY CERTIFIED BSA** axels. They may be polished or lubricated.
9. Only dry lubricants such as graphite or powdered Teflon “white lube” will be allowed for lubricating the wheels. Lubricants may not foul the track.
10. Only one lubrication is allowed before the beginning of the first race and then once again before the beginning of the first race of the semi-finals and finals.
12. Wheel bearings, washers, and bushings are **NOT** permitted.
13. The car shall **NOT** ride on any kind of spring.
14. The car must be free-wheeling, with **NO** kind of starting device.
15. **No** loose materials of any kind are allowed in or on the car. Everything on or attached to the car, including all weights, must be attached in a permanent fashion.
16. Details such as a steering wheel and driver are permissible as long as these details do **NOT** exceed the maximum length, width, height and weight specifications
17. There must be a **MINIMUM** of **3/8** of an inch clearance between the bottom of the car and the bottom of the wheel where it contacts the racetrack surface. If there is less than a **3/8 inch** clearance, the car will drag on the slot guide on the track.
18. All cars must have a solid front for the starting pin. **NO** part of the car can be in front of the starting pin.





TWO MOUNTAINS DISTRICT OPEN PINWOOD DERBY RACE

PINWOOD DERBY PRE-RACE INSPECTION PROCEDURES

1. A pre-race inspection will be conducted beginning 1 hour prior to the start of the race to determine **if the car meets the necessary qualifications**.
2. An official (**pre-checked**) scale will be used to certify weight of all cars.
3. Cars will be checked for conformance to the **Pinewood Derby Car Rules**, above.
4. The decision of the pre-race judges is **FINAL**. Cars meeting the requirements will be certified.
5. If, at registration, a car does not pass inspection, the scout will be informed of the reason for failure, and **WILL BE GIVEN** until the beginning of the races to make adjustments, such as correcting weight overages in a permanent fashion. Once a car has been certified as meeting all requirements, a number will be attached.
6. Following certification the car will be placed on the appropriate location on the official Pinewood Derby car table, to **await** the race.
7. After the car is placed on the official Pinewood Derby car table, the **ONLY** persons allowed to touch the cars will be the scout and/or race officials.

THESE INSPECTION POINTS MUST BE STRICTLY ENFORCED TO ENSURE THE CARS WILL PERFORM PROPERLY ON THE TRACK AND THROUGH THE START/FINISH TIMING DEVICE.

PINWOOD DERBY RACE PROCEDURES



1. The Scout must be pre-registered and present to race.
2. Cars will be called by number to race. The computer will determine race and starting track.
3. When called, the **scout** will carry **their** car from the car table to the **starting official**.
4. The **starting official** will place the car on the track.
5. **NO ONE** else may handle a car but the Scout or the race officials.
6. A computerized clock will time the races. The scouts are running against the clock, **NOT** each other.
7. Each scout will race in their appropriate category.
8. Cars will race six at a time. Each car will run once on each track.
9. If a car leaves the track. **Disqualification** may be ruled at the judges' discretion.
10. **If a car must be repaired due to jumping the track, etc., the Scout should immediately request time for repairs. A maximum of 5 minutes will be allowed to repair the car. The scout and one parent are the only persons allowed to work on the car. Repairs may be done only in the area designated by race officials. Once the car has been repaired, the owner should immediately notify the race official in charge and the repaired car will then be rechecked to be sure it still meets requirements. If repairs are not completed in the maximum time allowed, the damaged car shall be disqualified.**
11. Trophies will be awarded at the end of the race to the 1st, 2nd, and 3rd place winners in the Boy Scout / Venturing category and the Adult Leader category. A trophy will also be awarded for the most creative car design in both categories.
13. **Even if the car passes the registration process it still may be disqualified if a violation is found.**

**ALL DECISIONS OF THE JUDGES ARE
FINAL AND NON-DISPUTABLE.**

TWO MOUNTAINS DISTRICT PINEWOOD DERBY RACE

PINEWOOD DERBY TIPS AND WHERE TO FIND MORE INFORMATION

There are a variety of other places to purchase **OFFICIAL BSA GRAND PRIX PINEWOOD DERBY CAR KIT'S!**

Please refer to:

The Scout Shop at NEPA Council Scout Service Center

The Scout Shop at:

<https://www.scoutshop.org/pinewood-derby-official-car-kit-17006.html>

Lowe's

Michaels

OR Search **OFFICIAL BSA GRAND PRIX PINEWOOD DERBY CAR KIT** online



