

FEBRUARY 05, 2022

**OPEN TO ALL K - 5TH SCOUTS AND NON-SCOUTS!
MASKS REQUIRED DURING ALL EVENTS**

**MASKS REQUIRED
DURING WORKSHOPS/
PRACTICES & EVENT**

CAR CHECK-IN 30 MINUTES BEFORE EACH RACE

**9:00 AM
Lions & Tigers
K & First Grade**

**11:30 AM
Bears
Third Grade**

**10:15 AM
Wolves
Second Grade**

**12:45 PM
Webelos
Fourth & Fifth Grade**



PINEWOOD DERBY COORDINATION

Derby Committee:

David Cole
dcole@cca.edu

Greg Wolff
gregorywolff@gmail.com

Pack 3 Havens:

Tamisha Nakamoto-Apodaca
tamisha.nakamoto@gmail.com
Lisa Kaplan u4lisa@gmail.com

Pack 4 Beach:

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mtogles@gmail.com

Pack 5 Wildwood:

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rebmfish@gmail.com

Pack 6 Corpus Christi:

June Behrendt
junebehrendt@gmail.com

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ARRIVE AT THE RACE EARLY

Once your car is ready, take it to the registration table to be weighed and inspected. The race officials decide on whether your car passes inspection. You will have a chance to modify your car and get it re-inspected if the car must be modified to qualify.

Once the car has been approved, officials will keep your car until the end. If a car breaks down, jumps off the track, or leaves its lane the heat will be run again. You will have an opportunity to fix any damage if you can do it easily within a reasonable time.

Winners will be decided using double elimination heats. Every car will be in at least two heats.

BRING A FRIEND!

Do you know anybody who wants to race but is not a registered Cub Scout? Send them to the Piedmont Council Scout Office and have them register for the race. Registration for non Cub Scouts is \$10.

THE RACE NEEDS YOU!

SIGN UP ONLINE TO VOLUNTEER:

<https://tinyurl.com/44kwah6y>

The Pinewood Derby is one of the most popular scouting events of the year, and depends on volunteers to run smoothly (actually, to run at all!). Jobs include publicity, set-up, check-in, clean-up, Pit Crew weighing cars, etc. Most volunteer assignments can be done during the time you would be waiting for your child's race. Have videos or photos? Email: contact@piedmontbsa.org

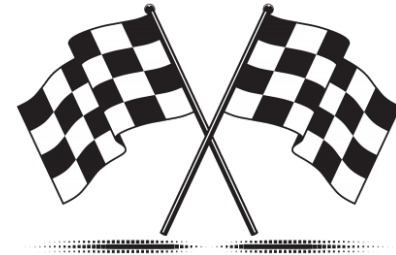
THE OFFICIAL PINWOOD DERBY KIT

Each Kit comes with all the basic parts you'll need to build your car. It includes the wooden body of the car, four nails to serve as axles and four wheels. Your kit must have the BSA logo on the box. If you lose or damage one of the parts, there are spares available from the Piedmont Scout Service Center or your Derby Coordinator.

Most Cubs (especially the younger ones) will need some adult help in building their car, but should be encouraged to do as much as possible on their own. The fun comes from tackling a challenging project. Begin early so they have time to enjoy the process and be ready.

Remember Safety First!

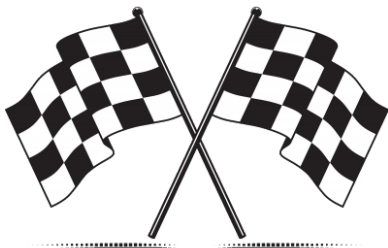
Always follow safety rules with all tools, always with adult supervision. Paint and decals may be used to give your car a special design. Any kind of wood paint is approved. Note: the more you sand your car, the smoother the paint job will look.



WORKSHOPS:

**Wednesday 1/12/2022 5-7pm &
Saturday, 1/15/2022 11-1pm**

Have fun adding details such as a steering wheel, driver, spoiler, decals, and tail pipes. BSA approved colored wheels, nail axles, flexible weights, and axle guards are available. **IMPORTANT:** Be as creative as you like in designing and building your car, but all cars must comply with the Cub Scout Grand Prix Pinewood Derby Guidebook, summarized in this document. It is available to purchase at ScoutShop.Org. There are also tips online. Please note rules may vary from council to council. Please check with your Derby Coordinator.



GROUND RULES

1. The Pinewood Derby is open to any child from Kindergarten through 5th grades.
2. Your car must have been made for this year's race.
3. Store bought or professionally made cars are prohibited.
4. Scouts are encouraged to do most of the work on the car.
5. A Scout who is unable to enter a car in his or her own age group may enter in the older age groups, but not younger.
6. A Scout, who cannot be present during the race may have their car entered by a friend as a proxy.
7. Scouts may only enter one car in one age group per day.
8. There is no room in Scouting for unsportsmanlike conduct. If you cannot act according to the Cub Scout Oath, you will be disqualified.
9. If you have any questions about the rules, contact your Pinewood Derby Coordinator via phone/email or ask at the practice session.

SPEED, DESIGN & CRAFTSMANSHIP TIPS

SPEED:

Three most important factors

1. **Weight**—must be as close to 5 oz as possible.
2. **Friction**—polish and lubricate the axles with powdered graphite to reduce wheel friction.
3. **Alignment**—make sure the wheels are aligned so the car rolls straight along the floor.

Wheels & Axles

1. Only the official BSA wheels and axles can be used. PLEASE NOTE: Wheels cannot be weighted, shaved, or modified. Wheels can be lightly sanded to take out burrs or ridges, but they cannot be ground down or narrowed. The wheel treads must remain flat and retain their full width.
2. The axles can be sanded or polished but wheel bearings, washers, bushings or after-market axles are NOT allowed. BSA axle guards ARE allowed.
3. The car cannot ride on any type of springs.
4. The car cannot have an ignition or no starting device or other propulsion.

Lubrication

1. Only dry powdered lubricants, such as graphite, may be used. (Regular oils and silicone sprays may soften the plastic wheels).
2. Cars may be lubricated before inspection at check in, but not after.

DESIGN & CRAFTSMANSHIP:

Don't forget that there are as many awards for creativity as there are for speed. So have fun creating something unique!

Design Specifications

1. Maximum overall width (including wheels and axles) 2-3/4"
2. Minimum width between wheels (to clear center strip of track) 1-3/4"
3. Minimum clearance between bottom of car and track 3/8 "
4. Maximum length of the car 7" NOTE: many blocks are a little more than 7" long out of the box, so you may need to sand a little off to stay under the 7" maximum.
5. The car may not be in front of the starting line pins.
6. Wheel base (distance between front and rear axles) has no limitation, but must fit in the sizing box.

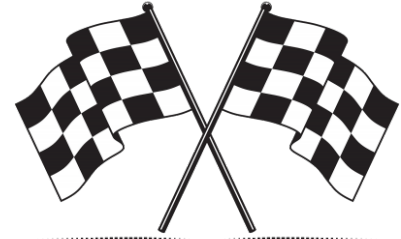
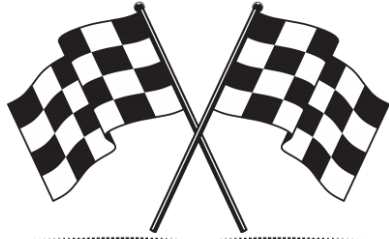
7. Maximum Weight 5 oz

Weights can be attached to the car, but these must be firmly in place. Weighing available at the practice session. Be sure you can easily remove some of the weights in case your car is too heavy. Don't try to tape or attach your weights to the bottom of the cars, as the racing track has a raised strip down the center. Bottom weights could rub against it and slow or stop the car. Extra weights are sold at the practice session or race day for a nominal price.

Extra car kits, supplies and decals are available for purchase at: Piedmont Scout Service Center, No loaner weights will be available.

PLEASE REVIEW THE RULES: Decisions of the race officials are final. Race Officials reserve the right to inspect all cars before, during, and after competition. **REMEMBER**, the purpose of the Pinewood Derby is to learn good sportsmanship, take pride in your own work, and **MOST IMPORTANTLY, HAVE FUN!**

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MASKS REQUIRED DURING ALL EVENTS



WORKSHOPS/PRACTICE DAYS:

Wednesday, January 12, 2022 5-7pm
Saturday, January 15, 2022 11-1pm

Sign up after 12/15 at

[https://www.piedmontbsa.org/events/
pinewood-derby-race-day/](https://www.piedmontbsa.org/events/pinewood-derby-race-day/)

KIDS PRACTICE RACE

Saturday, January 29th 10:00 AM -12:00 PM

ADULT RACE

Saturday, January 29th 7:20 PM - 10:30 PM

PINEWOOD DERBY RACE

Saturday, February 5th 9:00 AM -12:45 PM

PINEWOOD DERBY RACE SCHEDULE:

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K & First Grade

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Wolves
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EASY ASSEMBLY!

Build your car at home or attend the **Workshop & Practice Days**
Get your kit from your Cub Scout Pack

New to Scouting? Purchase your kit \$4.99+tax
at the Piedmont Scout Service Center:
10 Highland Way, Piedmont CA 94611
M-F 8:30 AM - 4:30 PM 510.844.4751 piedmontbsa.org

AWARDS

SPEED

Speed - 1st
Speed - 2nd
Speed - 3rd

DESIGN

Best Design Concept
Most Original
Most Creative

CRAFTSMANSHIP

Best Craftsmanship
Best Use of Materials
Best Paint Job