

# Cacoosing District Pinewood Derby Leader Guidebook



**Saturday, March 7<sup>th</sup> 2020**

**10:00 AM – 3:00 PM**

**Location: Holy Guardian Angels School  
in the Gymnasium**

3125 Kutztown Rd, Reading, PA 19605

*Open to all Lions, Tigers, Wolves, Bears,  
Webelos, and Arrow of Light Candidates  
Plus a Race for Friends & Siblings!*

**THIS EVENT WILL BE HELD RAIN, SNOW, OR SHINE.**

**NO ALTERNATE DATE WILL BE SET.**

Dear Scout Unit Leaders:

We are pleased to announce the Cacoosing District Pinewood Derby for 2020. Please take time to read the attached Guidebook as it will hopefully answer most of the questions you may have regarding the event.

This Guidebook should be shared with all Parents and Den Leaders so that they also understand the event.

Pre-registration is highly encouraged but not required. Pre-registration will allow us to have a better idea of how many Scouts and Scouters we will have in each class and assist with the registration process on the day of the event. For these reasons, please encourage anyone who wishes to participate to pre-register.

Registration is through the Tentaroo registration system. To access that, visit the council website at [www.hmc-bsa.org](http://www.hmc-bsa.org) (go to calendar – March 7, 2020).

Don't be afraid to ask questions prior to the event! Any questions should be addressed to:  
**Jim Conrad** | Pinewood Derby Chair 610.775.8916 | [LADLEDR@hotmail.com](mailto:LADLEDR@hotmail.com)  
**Cole Mitchell** | Cacoosing District Executive 610.741.7997 | [cole.mitchell@scouting.org](mailto:cole.mitchell@scouting.org)

**Remember, this event is intended to be a fun day for your Cub Scout. Good sportsmanship and a degree of patience are expected and appreciated. The Scouts and others in attendance are looking to you to be a positive role model. Any questions or concerns during or after the race can be handled in accordance with the Scout Law.**

Yours in Scouting,

Pinewood Derby Committee

**Cancellation only in the event of EXTREME conditions – notices will be sent to whichever email address you used to sign up with in Tentaroo. Notices will go out by NOON of the Friday before the event**



**BOY SCOUTS OF AMERICA®**  
**HAWK MOUNTAIN COUNCIL**

**Date:** Saturday, March 7, 2020

**Time:** **Cub Scouts** - 10:00 am – finish.  
Registration/check in will begin promptly at 10:00 AM.  
*While all Cub & Webelo cars will be raced together, individual times will be recorded and the best times within each rank will earn trophies.*

**Friends & Siblings Race** – After Cub Race.  
Registration/check in no later than 11:00 am

- *Same rules as Cub Scouts*

**Place:** Holy Guardian Angels School – 3125 Kutztown Rd, Reading, PA 19605

#### **Basic Information**

THE REGISTRATION DEADLINE IS WEDNESDAY, MARCH 4<sup>th</sup> 2020

1. **Fee for the event is \$5.00 per person.** Register by going online and signing up through the Tentaroo registration system. That can easily be accessed by visiting our Council website ([www.HMC-BSA.org](http://www.HMC-BSA.org)) and navigating to the event date on the calendar. The fee includes an event patch and entry into the race. **NOTE:** This does not include a Pinewood Derby Kit, these must be purchased on your own.
2. For emergency reasons, we require that at least 2 Pack leaders or a parent remain on School Property during the event.
3. Patches and any other items will be given to adult leaders or parent during the event, at the registration area.
4. No Scouts, adult leaders, or parents will be permitted in the track area when races are being run. All cars will be handled, placed on the track and returned from the finish line to the start line by assigned volunteers.
5. Only registered Scouts are allowed to register a car for racing in the Cub and Youth Outlaw classes. Any adult Scouter or parent/guardian can register a car in the Adult Outlaw class.
6. A designated Pit Area will be available to work on cars prior to check in and between qualification heats and Final Race (only dry lubricant may be applied).

Trophies will be given for the 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> Place in each class. Certificates will be given for many categories like Best in Show, Most Creative, Best Scout Theme, and many more.

## Pinewood Derby Car Regulations for all Racers

Please read these regulations and instructions before building your car.

**Cars should be built by the Cub Scouts with some adult guidance.** Any technical assistance should be fully explained to the Cub Scout so that he can use that knowledge in future projects.

We will be following the Standard Pinewood Derby Rules and Specifications (included with kit)

### **Car Specifications:**

1. Width – 2 3/4" Length – 7" Weight – Not over 5 ounces
2. Width between wheels – 1 3/4"
3. Bottom clearance between car and track – 3/8"
4. The wheelbase (distance between front & rear axles, center to center) may not be from the kit body distance of 4 3/8",
5. Overall Height from bottom of wheels to top of the car – less than 3 1/2" (this allows clearance of electronic timing gates)
6. Since the starting pins are round, minimum width of front of car is 1/2"

### **Regulations for Cubs:**

1. Only Official Cub Scout Pinewood Derby (BSA) wheels and axles are permitted. This includes the colored BSA wheel.
  - a. Wheel bearings, washers, and bushings are prohibited.
  - b. Cars shall not ride on springs.
  - c. Axles may be lightly filed, sanded, & polished, this is the only axel modification allowed.
    - i. Nail heads from the axles must be in full view.
  - d. Wheels may be lightly sanded & polished, this is the only wheel modification allowed.
    - i. NO honing or cutting of wheels will be allowed.
    - ii. BSA markings & side tread must remain and may not be altered.
2. Details such as steering wheel and driver are permissible as long as these details do not exceed the maximum length, width, weight, and height specifications.
3. The car must be free-wheeling, with no starting devices.
4. Each car must pass inspection, the owner will be informed of the reason for failure, and will be given time within the official check-in period to make adjustments.
5. All cars will be impounded and take to a staging area once check in is completed.
6. **ONLY Dry lubricants** (graphite, Teflon, etc.) **are allowed** & should be applied prior to check in (in the designated Pit Area). If any evidence or suspicion of the use of wet lubricants will result in disqualification from the race, no exceptions as the use of wet lubricants will cause damage to the track.

### **Ground Rules:**

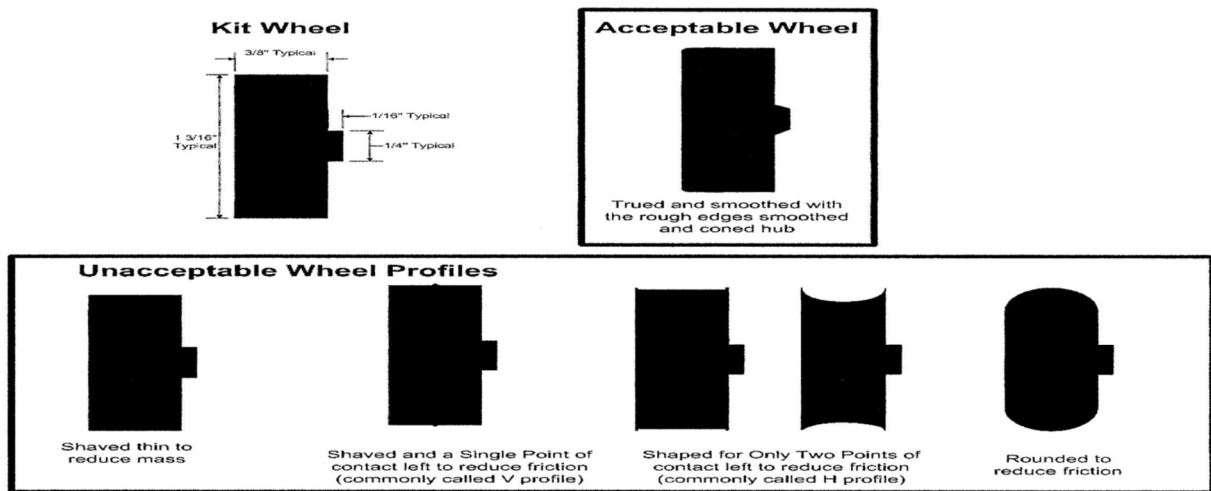
1. The reading of the Official Race Scale (the scale provided by the Derby Committee) will be considered FINAL! No other scale can be used. In the event the car is overweight the participant will be able to remove weight from the car to get it to pass inspection on the Official Race Scale. If the car is not able to pass weight check in on the Official Race Scale, it will be disqualified from the race.
2. If a car jumps off track, the heat will be rerun. If the same car jumps off a second time, it will automatically lose that heat.
3. If a car leaves its lane & interferes with another car, the heat will be rerun. If the same car leaves its lane & interferes with another car a second time, the heat will be rerun without the interfering car. The interfering car will automatically lose that heat.

**Ground Rules (continued):**

4. If a car has a mechanical problem and a repair can be accomplished within 5 minutes, the heat will be rerun. If repairs cannot be made within 5 minutes the car will automatically lose the heat.
5. If a car becomes damaged, a parent or guardian will be allowed in the pit area to make repairs. Once the car has been repaired, it will be re-inspected and re-weighed.
6. No scouts, adult leaders, or parent/guardian will be allowed at the track area.

**Inspections & Disputes:**

1. Each car must pass inspection by the Official Inspection Team (Team designated by the Derby Committee) before it may compete.
2. The Inspection Team has the right to disqualify any cars, which do not meet the regulations. Car owners will be informed of the violations and given a chance to modify the car to meet the regulations.
3. Ungentlemanly or unsportsmanlike conduct by any participant or member of the audience will be grounds for expulsion from the derby and/or race area.



Sample layout of a car with dimensional guidance

