

2015 Mingo Trails Pinewood Derby Information

- ❖ All Cub Scouts participating in the Pinewood Derby Race must have registrations submitted by their Pack Representative **NO LATER THAN February 7, 2015**. You may bring them to the February Roundtable, however it is preferable that you: Please scan and email the form to Cheryl Gindele at:

542gg@comcast.net

- ❖ The 1st, 2nd, and 3rd place finishers from each rank, from each pack, are eligible to race at the Mall Show.
- ❖ In the event that any of these Scouts are not able to attend, the next runner up (4th place alternate) may race in his place, with the permission of the Cubmaster.
- ❖ District finals will consist of 1st, 2nd, and 3rd place finishers from each rank, from: Tiger, Bear, Wolf, Webelos I, and Webelos II races.
- ❖ These 15 rank finisher's cars will be kept in the pit area for the final overall Grand Champion race at the end of the day. They will race to determine the 1st, 2nd, and 3rd overall winners.
- ❖ Please, please, please note, that all rules will be strictly adhered to! Follow them exactly to avoid having any Scout disqualified from the race because of a rule violation.
- ❖ The rules must be followed to keep the race fair and fun for all!
- ❖ Decisions by race officials are final.
- ❖ AWARDS WLL BE PRESENTED AFTER EACH RACE!

2015 Mingo Trails District Pinewood Derby Rules

Car Dimension Rules

- ✓ The overall length of the car shall not exceed 7 inches
- ✓ The overall width of the car shall not exceed 2 ¾ inches
- ✓ The overall height of the car shall not exceed 3"
- ✓ The overall weight of the car must not exceed 5.0 ounces (143 grams) measured on 1/10th digital scale
- ✓ The car must have clearance between the wheels of 1 ¾"
- ✓ The car must have clearance of 3/8" underneath the body so it does not rub on the track

Wheels and Axles

- ✓ Wheel Base: Wheels must be attached to axles located in the original axle grooves
- ✓ Four BSA Axles & BSA Wheels must be installed to the side of the car body directly across from one another at no more than a 45 degree angle
- ✓ Only BSA axles are permitted
- ✓ Minimum diameter .084" for axles
- ✓ Axles must have a nail head
- ✓ Axles may not be staggered
- ✓ Pinewood Derby axle guards are permitted
- ✓ Official BSA wheels must be used. The wheels may not be cut, drilled, beveled, or rounded.
- ✓ You may remove the seams and imperfections from the wheels

Wheels

- ✓ Only BSA Wheels are permitted
- ✓ May be CnCed, lathed, polished and/or sanded to true the edge of tread, surface, and circumference
- ✓ The tread/contact surface must remain as flat and parallel to the bore as humanly possible
- ✓ No Angling, Reshaping, Canting, Round Crowning, Tapering, H-ing, V-ing, or Dishing the outside of the wheels and/or tread surface
- ✓ Lettering must remain visible on the inside and outside of the wheel
- ✓ Wheel covers may be used only if entire wheel is visible
- ✓ Minimum Tread Width 7.50mm
- ✓ The original 1 ¾ inch dimension of wood block from the kit must be maintained between the wheels, so that wheels fit over guide strip of track
- ✓ Wheels must not be inset within the original block

Cont'd

The following Modifications are not allowed!

- ✓ Starting or finish line devices
- ✓ Electronic or lighting devices
- ✓ Glass or extremely fragile parts
- ✓ Paint that is wet, smudges, or is extremely sticky
- ✓ Wheel bearing, springs, washers, and/or bushings are not permitted
- ✓ Sharp objects, sandpaper, or abrasives on the bottom of car
(We do not want any damage to the rubber stopping pads)
- ✓ Axles and/or wheels attached to any device that mechanically alters rotation and spin
- ✓ Any part of the car to go beyond the starting peg before the peg is completely lowered
- ✓ No liquid lubricants, grease, or silicone is permitted. Only powdered lubricants are allowed and must be applied outside of the building before the car is inspected. Lubricants may not be added between races
- ✓ No Propellants
- ✓ No loose materials of any kind are permitted in or on the car. No weights or other objects may be taped to the car. Only permanently fastened weights are permitted
- ✓ A front center notch or use of any fast start or wire device is not permitted

Additional materials may be added as long as they meet the above rules.

Other Pinewood Derby Race Rules

- ✓ Each Cub Scout must use the current official Boy Scouts of America Cub Scout Pinewood Derby Kit
- ✓ Cars must be built for the current school year. Previous year's cars are not permitted
- ✓ Only BSA wheels, nails, block of wood, and the new colored wheels are permissible
- ✓ There must be a ¼ inch flat even surface on the front center nose of the car. This must be made out of the official block of wood
- ✓ Wide body side panel and fenders are permitted, however, overall body width must not exceed 2 ¾ inches
- ✓ Car must have 3/8 inch ground clearance all around
- ✓ Scouts and their car must complete check in and inspection during their designated rank time
- ✓ Cars not registered during the designated registration/check in period may not be eligible to race
- ✓ After inspection, the only people to touch the cars will be the pit crew and the Scout. The Scout will bring his own car back to the pit area after each race. The Pit Foreman will place the cars on the track for the race
- ✓ A parent or adult guardian must accompany the Scout during inspection and weigh-in. Scouts are expected to handle and present their own car during the inspection check in period, parents should only assist
- ✓ Once a car passes inspection and is entered into the race, only Race Committee members can touch it
- ✓ Cars must not be adjusted between races. Repairs will be permitted at the Race Official's discretion.
- ✓ The primary cause for repairs will be loose wheels or weights.
- ✓ Repairs are to be completed by the Scout and his parent or guardian in the pit area.
- ✓ Repair time is limited to 5 minutes
- ✓ The official race scale that is used at car check-in shall be considered final
- ✓ If the car loses a wheel, or is otherwise damaged, the racer shall have 5 minutes to make repairs
- ✓ Each car must pass inspection by the Official Inspection Committee before it will be allowed to compete
- ✓ The Inspection Committee has the responsibility to disqualify those cars that do not meet the above requirements

Schedule of Events

2015 Mingo Trails District Scout Mall Show

Registration	9:00 -9:25 am
Opening Ceremony	9:30 am
First Aid Competitions	10-11:30 am / 12:30-2:00 pm
Unit Display Judging	12:00 pm
Photography Contest Judging	12:00 pm
Eagle Workshop-Scouts/Adults	1:00-2:00 pm
Scout Jeopardy Competition Times Posted	2:00 pm
Scout Jeopardy Competition	2:30-5:30 pm
Awards Presentation and Closing Ceremony	5:00 pm

Pinewood Derby

Tiger Weigh In 9:45-10:30 am Tiger Race 10:30-12:00 pm

Wolf Weigh In 11:00-11:45 am Wolf Race 12:00-1:30 pm

Bear Weigh In 12:30-1:15 pm Bear Race 1:30-3:00 pm

Webelos I Weigh In 2:00-2:45 pm Webelos I Race 3:00-4:30 pm

Webelos II Weigh In 3:30-4:15 pm Webelos II Race 4:30-6:00 pm

Pinewood Derby -Overall Race 6:00-6:30 pm