

Thunderbird Corporate Pinewood Derby and District Championships

April 22, 2017

Leaders Guide

Official Rules and Procedures for the 2017 Pinewood Derby Races

The attached rules will be the only guidelines used for the Derby. The 2017 Pinewood Derby will be held on **April 22, 2017**, at Flowers Honda in Thomasville. Please ensure that all Cub Scout families and participants receive copies of these rules and procedures, as part of your Pack Pinewood Derby program. Also attached are some procedures that will be followed on race day, by the participants.

Please review/share this Leaders Guide with all winners of your Pack Pinewood Derby.

This year's racers will have **staggered check-in** and start times for each rank/level. The check-in and race times will be as shown on the attached Race Day Schedule. All races will be conducted appropriately, according to rank/age level, with all awards presented following each race. Our goal is that the longest time any individual Cub Scout will be required to be at the races will be two hours, from the beginning of his check-in period until the end of the awards period for that race. The only exception will be the Design/Show car entries. However, unlike the racers, those Cub Scouts entering design/show cars may enter their cars and return later for the awards ceremony.

Please return the enclosed Registration Form and all applicable fees to the Council Service Center, no later than **April 14, 2017**, so that we may know your Pack's intention to participate and the entrants that you are sending to the race. All entry fees must be paid prior to race day. Please stress the importance of the Check-in time - once the data entry person has picked up the registration forms there will be no late entries. There will be no exceptions to this payment policy; any entrant not paid prior to race day will not be allowed to enter the race. **Boys may only enter to "race" or as a "design/show car"; but, not both.** **Scouts are required to wear their Class "A" uniforms to participate.** All racers, parents and leaders are reminded that the races will be held in a public area and that negative attitudes and comments are not appropriate. Any person displaying such attitude or making such comments can be asked to leave the race area. Let's remind all of our scouts, leaders and parents of the values of good sportsmanship.

Also, as you will note from the enclosed race day information sheet, there will be no "garage" or other car repair facility setup at the race area. Any repairs/adjustments needing to be made prior to final entry of the cars will need to be made **outside of the Race area/building** "leave no trace", clean-up any garbage.

If you have any questions related to car design or specifications or need clarification of anything within these rules/procedures, you may contact TBD. This is the only person who can answer/clarify this information. Please do not contact the Council Office for any questions or clarification beyond what is written in the attached rules/procedures. The Council Office staff will only be assisting in administrative and money collection activities and have not been a part of the rules development process. They will only direct you to the above listed person for further information, beyond what is specifically written here. Also, please see the Council's website at <http://www.suwanneeriver.net> for these documents and other information.

Please bring your Pack flag to display on Race Day!

Thunderbird Corporate Pinewood Derby and District Championships
April 22, 2017
Show Car Judging Information

Design/Show Car Category Explanations

Most Patriotic – a car that shows American colors (Red, White & Blue), Flags, etc.

Most Creative – a car that show imagination, futuristic, or past history.

Best Sports theme – a car in the sports arena – football, soccer, basketball, etc. favorite team colors or mascots.

Best Scout theme – a car that shows Scout values, colors (Cub or Boy Scout), Scout emblems, etc.

Judges' choice – a car that doesn't seem to fit in any of the above categories but has high qualities in other areas. A car in a class of its own.

Also, if there are too many entrees in one category, the Judges reserve the right to place any car in a different category with fewer entrants giving more boys the opportunity to win.

**Explanation of Design/Show Car Judging Criteria
(Scoring) 1 – 10 points - 10 being the best.**

Original idea – an idea unique and unusual.

Detail – careful thought taken in planning, design & building of the car – attention to detail

"Boy" made – a car that has the signs the boy made the car with little or no help from an adult

Creative – a car that took time to create and design

Overall Appearance - careful workmanship and planning to create the overall appearance

The Judges will know if a Tiger, Wolf, Bear, or Webelos enters a car – this will be taken into account when awarding the points for a car. Each car will receive points ranging from 1 to 10 from each judge and will be judged by 3 – 5 judges (No judge will judge his or her own Pack's car). The Head Judge will judge the car of any one who can't judge a car in a certain category.

When the tally sheets have been turned into the Head Judge, the scores of each car will be tallied. (In case of a tie – the Judges will be called back and given the opportunity to vote on the top car.) The cars with the highest points in each category will receive the awards for 1st, 2nd, and 3rd place. No car may receive an award in more than one Show Car category. The head Judge will make any final judgments necessary.

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Official Rules

The Thunderbird District Pinewood Derby Committee will be utilizing the BSA Grand Prix Pinewood Derby Rules that are included inside your official BSA Grad Prix Pinewood Derby kit as well as the “standard wheelbase” requirement as indicated in the car specifications below.

CAR SPECIFICATIONS:

- Maximum width: - 2 ¾” – Maximum length - 7” – Maximum Height 3 ½” – Maximum weight - 5 Ounces
 - Minimum width between wheels – 1 ¾”
 - Minimum bottom clearance between car and track – 3/8”
 - Maximum wheelbase - 4 1/2 inches
- (The Wheelbase is the distance from the center of the front wheel/axle to the center of the rear wheel/axle on the same side of the car)
- Show Cars ONLY may have a Maximum height of 7”

RULES

Boys may only enter to race OR show at this event - not both.

- Wheel bearings, washers, and bushings are prohibited.
- The car shall not ride on springs.
- Only official Cub Scout Grand Prix Pinewood Derby wheels and axles are permitted.
- Only dry lubricant is permitted.
- Details, such as steering wheel and driver are permissible as long as these details do not exceed the maximum length, width and weight specifications.
- The car must be free-wheeling, with no starting devices.
- Each car (both racers and design/show competitors) must pass inspection by the official inspection committee before it may compete.
- If a car does not pass inspection, the owner will be informed of the reason for failure, and given time within the official check-in time to make any adjustments. A car not able to meet specifications will be disqualified.
- After final approval, cars will not be re-inspected unless the car is damaged in handling or in a race.
- The scale used on race day will be a digital scale with an exact 5-ounce weight and is the only official scale.
- Any lubricant which remains wet after application may not be used on any part of the car. Nor shall any powdered lubricant be allowed to “spill out” of the car during check-in or racing, as to mess up the track.
- Axle shafts must be from the current BSA Pinewood Derby Kit and must not have any material added to them, other than appropriate lubrication. Axle shafts may be sanded to remove burrs from the metal, but may not be altered in any other manner (including grooves, etc.).
- Axle slots or drilling holes is permissible – as long as all required dimensions and clearances are maintained.
- Wheels must be from the current BSA Pinewood Derby Kit and can have the bore of the hub (hole in center) cleaned of any obstructions and the contact surface (around the circumference) smoothed but cannot have the cross section or tread reshaped in anyway. Wheels will not be checked for contact with the track.
- The forward most edge of the car must be wide and low enough to rest against the rear of the starting gate pin (in center of its lane) or it will be disqualified from racing.
- **The objective** of the Pinewood Derby is to allow a Cub Scout (advised and assisted by an adult partner) to design and **build a wood car from the Official BSA Pinewood Derby Kit**. The Pinewood Derby is not intended to be a contest of expensive and exotically built cars. **Race officials will be provided pictures of all the commonly available pre-cut car kits. Any kit cars found will be immediately disqualified (exception is new BSA approved vendor kits).**
- All rules interpretations and judgments related to these rules and the race are the sole prerogative of the Thunderbird District Derby Committee Chairman and his ruling(s) shall be final.

Thunderbird Corporate Pinewood Derby and District Championships

April 22, 2017

Race Day - Car Owner Instructions

- All cars entered must be the same cars that were raced during the Pack's 2017 race and should be cars made this year.
- If a registered owner is unable to attend the Pinewood Derby or is not physically able to race his car, he may designate another Cub Scout or Leader to act in his place. This person will be called a handler.
- All car owners or handlers are required to be in an **official BSA uniform shirt** (not a T-shirt) to participate in the Derby (we want all eligible scouts to participate— exceptional circumstances considered)
- While we will make every effort to allow every eligible scout to participate, Car owners or handlers must present their car for check-in and inspection during the announced time on race day or risk not being able to participate.
- No entrant for any race period will be accepted, after that race period check-in has ended.
- Only the racers listed on the Pack's official entry form will be allowed to enter the race.
- The alternate racer(s) will only be allowed to enter the race if one of the top 3 entrants does not arrive to enter. Alternates must have their car inspected and placed in a temporary impound area during normal check-in time frame. If spot available, alternates car will then be entered into the race.
- Car owners or handlers will be the only persons touching the cars, under supervision, once they are impounded and only at the time(s) that they are called to lineup for a race.
- Car owners or handlers must retain the number issued, in order to enter the race area and pick up car for racing.
- Car owners and handlers must stay alert for the call of their name & number during the race.
- All lubrication or other service must be completed prior to presenting the car for technical inspection because all cars will immediately be impounded for the duration of its eligibility to race.
- Under no circumstances will any lubrication be applied to any axles or wheels once the car is impounded, including a car that has lost an axle or wheel during the race and has to have the axle or wheel replaced.
- There will be no onsite facility for pre-race repair/adjustments to cars. Any adjustments or repairs that require removal of wood, drilling, hammering or application of powdered lubricants must be made outside.
- There will be no overall District championship race, where Cub Scouts of different levels compete against one another.
- Anyone touching or attempting to touch another racer's car, without express permission from the car owner/handler and under the supervision of the race official, will be asked to leave the race area and if a racer, will have his own car disqualified.
- Any car owner or handler bumping or stepping on or across the Pinewood track as well as anyone causing such action will be subject to disqualification.
- Any person displaying poor behavior can be asked to leave the race area.
- All racers, parents and leaders are reminded that the races will be held in a public area and that no negative attitudes or comments will be permitted. Any person displaying such attitude or making such comments will be asked to leave the race area.
- Please remind your scouts of the qualities of good sportsmanship.
- **It is strongly suggested that all Cub Scout Adult Leaders as well as car owners and their parents read all rules and procedures.**
- The Pinewood Derby Committee recommends that car owners should be given the responsibility to hold their own cars from after the Pack Pinewood Derby until presentation at the Race.

Please see the Council's website at <http://www.suwanneeriver.net> for these documents and other information.

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April 22, 2017

Race Day Schedule

Show Car Check-in - ALL RANKS

	9:00am	9:30am
Show car computer input	9:30 am	9:45 am
Show Car Judging	10:00	1:30pm
Show Car Awards	2:15pm	

Race Schedule

Webelos Car Check-in	9:30am	10:00am
Computer input	10:00am	10:10am
Webelos Races	10:15am	11:00am
Webelos Awards	11:10am	
Tiger Car Check-in	10:30am	11:00am
Computer input	11:10 am	11:10am
Tiger Race begins	11:15am	12:00 noon
Tiger Awards	12:10pm	
Wolf Car Check-in	11:30am	12:00 noon
Wolf Computer input	12:00pm	12:10pm
Wolf Race begins	12:15pm	1:00pm
Wolf Awards	1:10pm	
Bear Car Check-in	12:30pm	1:00pm
Bear computer input	1:00pm	1:100pm
Bear Race begins	1:15pm	2:00pm
Bear Awards	2:10pm	
Corporate Check-in	2:00pm	2:30pm
Corporate Computer input	2:30pm	2:40pm
Corporate Race begins	2:45pm	3:30pm
Corporate Awards	3:40pm	

Basic Rules:

Buy your kit from the Scout Shop

Use the equipment in the box

DO NOT exceed the maximum allowed wheelbase

It is recommended to not use a pre-cut or kit car of any kind – However, only BSA approved vendor kits may be used

Any non-BSA kit cars found will be immediately disqualified.

CAR SPECIFICATIONS:

• **Maximum width - 2 3/4" – Maximum length - 7"**

Maximum Height 3 1/2" – Maximum weight – 5 oz

• **Minimum width between wheels – 1 3/4"**

Maximum wheelbase - 4 1/2 inches

(The Wheelbase is the distance from the center of the front wheel/axle to the center of the rear wheel/axle on the same side of the car)

Minimum bottom clearance between Car & track—3/8"

• **Show Cars ONLY** may have a Maximum height of 7"

Be careful of Web sites that tell you how to win a race – some techniques may not be allowed by our rules!

Please do not let your child's car be disqualified because you did not read the rules!!!!

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April 22, 2017
Corporate Registration Form

April 22, 2017—Corporate Pinewood Derby to be held at Flowers Honda in Thomasville. We are asking each corporate entry to build a Pinewood Derby car that will be on display during the Scouting District Championship races held in the morning and then at 2:00pm the Corporate Pinewood Derby will start and your car will race against other Corporate entries for bragging rights and the traveling trophy. Remember/Experience/Enjoy the thrill of Cub Scouting!

Corporate Pinewood Derby Cars must meet the same standards as a Scout entry, see "Official Rules" page in Leaders Guide. Corporate PWD cars will be judged for Show Car under the category of "Corporate Representation" – how well does your car represent your corporation (color, theme, logos and craftsmanship), see **Explanation of Show Car Judging Criteria** on the "Show Car Judging Information" page in the Leaders Guide.

The entry fee per Corporate Entry is \$250.00

Corporation: _____

Point of Contact Name: _____

Phone # _____ E-mail: _____

Car Name: _____

Registration deadline is April 14, 2017

Make checks payable to: BSA

**Mail to: Suwannee River Area Council
2032 Thomasville Rd.
Tallahassee, FL. 32308**

This is a donation to the Suwannee River Area Council of the Boy Scouts of America, a 501(c)3 Corporation and may be tax deductible. Please ask your Tax Accountant if you qualify for a tax deduction.

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PACK # _____ Cub Master's Name & Phone # _____

Unit Pinewood Derby Chair's Name & Phone # _____

Scouts may enter their car as a Show Car or Race Car - but NOT both

Show Cars

Boy's Name & Rank:

Show Car categories:

Show Car Judging Criteria:

1. _____
2. _____
3. _____
4. _____

- Most Patriotic
- Most Creative
- Best Sports Theme
- Best Scout Theme
- Judges Choice

- Original idea
- "Boy Made"
- Best Detail
- Creativity
- Overall appearance

Top Three Racers in Each Rank:

Tiger Cubs

1. _____
2. _____
3. _____

Alternate:

(Only if an entrant cannot participate)

WOLVES

1. _____
2. _____
3. _____

Alternate:

(Only if an entrant cannot participate)

BEARS

1. _____
2. _____
3. _____

Alternate:

(Only if an entrant cannot participate)

WEBELOS

1. _____
2. _____
3. _____

Alternate:

(Only if an entrant cannot participate)

**The entry fee per car is \$5.00 – made payable to BSA
Return to: Council Office 2032 Thomasville Rd., Tallahassee, FL 32308
Fees must be paid with entry form! Entry Deadline: April 14, 2017**