

# Frontier District's

*Annual Invitational!*

*Pinewood Derby*

The Mall at Robinson  
March 7, 2020

Leader Guide

## Schedule & Costs

### Schedule:

8:30am ..... Webelos/AOL Check In  
(other ages check in during other races):  
9:00am ..... Opening  
9:05am ..... Webelos/AOL Races  
10:30am ..... Bear Races  
12:00n ..... Wolf Races  
1:30pm ..... Tiger Races  
3:00pm ..... Lion Races  
4:00pm ..... Grand Race Off: / Best of Show  
*Cars & Races per District Rules, pages 3 & 4*

### Costs:

\$7.00 .....all participating Cub Scouts  
\$20.00 .....each table for participating Troops & Crews  
*Tables Evaluated by an Independent Judge, using Table Criteria, page 5*

### Please Note:

*No more than two Scouts leaving their table, at any one time.*

*All Cub Scouts must be escorted throughout the mall by their parent/guardian, at all times.*



# Rules

## Car Body / Dimensions:

Wheel Base:.....Wheels must be attached to axles and located in original axle grooves.

Height:.....Not to exceed 3" (three inches).

Length: .....Not to exceed 7" (seven inches).

Width: .....Not to exceed 2-3/4" (two & three-quarter inches).

Weight: .....Not to exceed 5.0 ounces (143 grams) measured on 1/10<sup>th</sup> digital scale.

Additional materials maybe added as long as they meet the rules.

4 BSA Axles & BSA Wheels must be installed to the side of the car body directly across from one another / No more than a 45-degree angle.

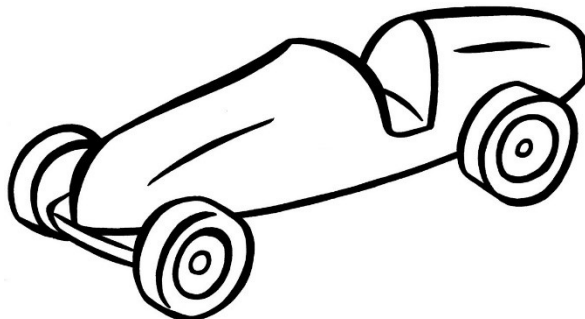
## Axles:

- a. Minimum Diameter: 0.084.
- b. Axles must have a nail head.

## Wheels:

Only BSA wheels are permitted.

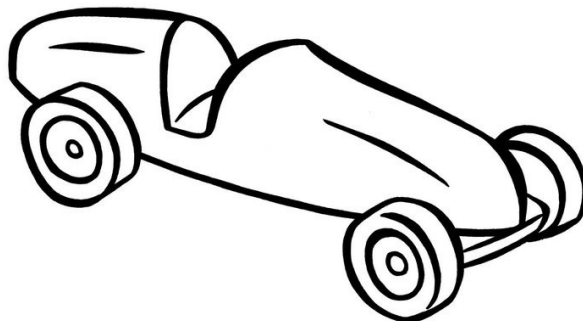
- a. May be CnCed, lathed, polished and/or sanded to true the edge of tread, surface and circumference.
- b. The tread / contact surface must remain flat and parallel to the bore as humanly possible.
- c. No Angling, Reshaping, Canting, Round Crowning, Tapering, H-ing, V-ing, Dishing, the outside of the wheels and/or tread surface.
- d. Lettering must remain visible on the inside and outside of the wheel.
- e. Wheel covers may be used only if entire wheel is visible.
- f. 7.50mm Minimum Tread Width.



## Rules continued

### The following Modifications are Not Allowed:

- a. Starting or finish line devices.
- b. Electronic or lighting devices.
- c. Glass or extremely fragile parts.
- d. Paint that is wet, smudges, or extremely sticky.
- e. Bearings and/or Bushings.
- f. Sharp objects, sandpaper, or abrasives on the bottom of car. (We do not want any damage to the rubber stopping pads.)
- g. Axles and/or wheels attached to any device that mechanically or alters rotation and spin.
- h. Any part of the car to go beyond the starting peg before the peg is completely lowered.
- i. Propellants.



## Table Judging Criteria

1. Table Theme: "Why do you enjoy Scouts?"
2. Is your display within the 12'x7' area provided?
3. Is there information about joining your unit at your table?
4. Is your unit identified in your display?
5. Is your chartered partner identified in your display?
6. Are your meeting place and meeting times identified in your display?
7. Is your display safe for the Scouts and the adults manning the table as well as for those people who are walking or standing around your table?
8. Are your Scouts engaged with the people looking at your display? Meaning – are the people interacting with the Scouts and the display?
9. Do you have two deep leadership visibly supervising your Scouts and the people at your table?
10. If you had a child you wanted to join Scouts, would your unit display appeal to that child?
11. Does your display show imagination and originality?
12. Are your Scouts at your table in correct, clean, and appropriate Scout uniform?
13. Is the display neat and orderly?
14. Did your Scouts conceive your display, setup your table, construct the display(s), draw the posters, print the instructions, etc?
15. No candy, food, or beverage as part of the display or for public consumption.

*Tables Evaluated by an Independent Judge, per the Above Criteria.*

*Winner gets a Trophy & a Scout Shop Gift Card!*

