

Frontier District  
Pinewood Derby Rules  
Accepted for 2010

**Base Material:**

Cars shall be made of wood from the BSA Kit # 17006 or similar pinewood, which conforms to BSA standards.

*All materials are to be considered raw material or used from a BSA kit.*

- Width:** 1) The overall width of the car shall not exceed 2 ¾ inches overall.  
2) The width between the wheels of the same axle groove shall be at least 1 ¾ inches.

- Length:** 1) The overall length of the car shall not exceed 7 inches.  
2) No part shall extend past the start line during the pre-start alignment.

**Height:** The overall height shall not exceed 3 inches.  
*This is the time trap clearance*

**Bottom Clearance:**

From the track to the bottom of the car shall be at least 3/8 inch.

**Weight:** The overall weight shall not exceed 5 ounces. As measured to the tenth of an ounce.  
*5.04 is the maximum weight measurement. 5.05 and above would be rounded up to 5.1 on a scale that reads to the tenths. Official weight measurement will take place at time of check-in.*

- Axles:** 1) Axles shall be the supplied nails from the BSA kit.  
2) No additional bushings or washers are to be added.  
3) The nail is to be pushed into the original grooves only, with tips of the nail visible.

**Wheels:** Wheels are to be the official wheel provided with the BSA kit only.  
*Wheels may be lightly sanded to remove imperfections along the tread, and must be left flat and level. Lettering is to be visible and facing the outside of the car. Wheels, which are turned on a lathe or otherwise engineered, will not be allowed.*

**Lubricant:** Dry powder only. *Graphite or Teflon powder is recommended. No liquid or Gel may be used.*

**Propulsion:** Freewheeling gravity only.

**Design:** Annual, unlimited design as directed by the youth cub scout.  
*Immediate disqualification will result from anything falling off the car. The car is then retired from the derby. (Council requires at least ½ inch flat nose and a maximum height of 2 7/8 inches from the track.)*

**Officials:** Shall be designated by the District.

**Track:** Shall be designated by the district, asking for pack support.

**Check in process:**

- 1) Official check in shall be as announced on the day of the race.  
*(See bulletins for specific times)*
- 2) The car is to be presented at the check in table to officials for evaluation and conformity to rules.

3) Modifications may be made by the Cub Scout then reevaluated, for final acceptance. All changes must be completed and pass evaluation/inspection prior to the close of check in.  
*Some tools and assistance may be available and provided by the district. However the District is not responsible for any material or tools to assist in changes. Officials may not change or lubricate any part of the car.*

4) Once the car is accepted, it will be brought into the impound area.  
*No further changes may be made nor may the car leave the impound area.  
No one may enter the impound area other than officials.*

**Proxy entry:**

If a cub scout is unable to attend race day, the registration fee and ability to run the race is forfeited.

However, he would still be eligible to run at the council level.

**Racing:** Shall be the Sterns method of racing conducted by race officials.

For 1<sup>st</sup> and 2<sup>nd</sup> in Tiger, Wolf, Bear and Webelos

*Each Cub Scout will line up their own car on the track at the beginning of each race.*

**Special Session Categories:**

“Best Design”, “Most Unique” and “Most Rustic” are artistic interpretation by the judges. All participants are entered.

**Awards:** An awards ceremony will take place at the end of each session.

**Post race:** Derby cars will be picked up by Cub Scout with an adult at the end of the race.

**Disputes:** Disputes may be raised at the time of suspected infraction to any race official.

An immediate tribunal of three officials will convene and render judgment by majority. If a decision can not be made within five minutes of open discussion, racing will continue with further deliberations at the end of the day. Once awards are distributed all decisions are final.

**Conduct:** This race, although held as a competition is designed to teach the boys the following ideals.

- 1) Good sportsmanship, even when you don't agree or win.
- 2) Competition itself is the reward- winning isn't everything.
- 3) Not just speed counts, but artist representation and creativity are winning qualities also.
- 4) Next year, I get to “Do My Best Again”, and hone my car making skills.
- 5) Youth, not parents should be designing and making the cars- those are the true winners.

**Compliance with stated rules:**

Cub Scouts and parents not following these directions/rules risk disqualification for non-compliance. In an effort to maintain the high standard of the race, high standards are expected. Please conduct yourself accordingly.

**Note:**

**Rule Name:** Rule statement written out.

*Italics are comments and clarification.*

(Parenthesis are notes regarding Council rules not necessarily Frontier District rules.)