



**Heart of Virginia Council
Battlefield District
2010 Pinewood Derby**

When: February 21, 2010

Check-in: 1:30 pm

Race Starts: 2:45 pm

**Where: Fairfield Presbyterian Church
6930 Cold Harbor Road
Mechanicsville, VA 23111**

Costs: \$5.00 per participant

Registration Deadline: February 12, 2010

Questions – For Rules & Specs.

Matt Rigsby, 972-4422 (cell) or mrigsby@verizon.net

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Questions – For Admin & Registration.

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Heart of Virginia Council Battlefield District 2010 Pinewood Derby

What is a Pinewood Derby?

The Pinewood Derby is one of the most popular and successful events in Cub Scouts. Like all successful activities, it requires planning and preparation, but its value in fun and in strengthening family relationships has been proven over the years.

The Pinewood Derby is an opportunity for each scout, under the guidance of his parents or other family members, to design, build, and race a small wooden car. The main materials for the car are included in a Pinewood Derby kit that comes with building instructions. This kit is usually provided by your Pack or is available for purchase through the Scout Shop.

The car's weight and dimensions must conform to official specifications to pass inspection. The scout will then race down a regulation track against other scouts in his age group following procedures set by the Battlefield District Pinewood Derby Committee.

The Pinewood Derby often becomes a memory that lasts a lifetime for many scouts.

What's the primary goal of the Pinewood Derby?

We believe that the Pinewood Derby is a great event in that it promotes craftsmanship and following rules, and has a healthy dose of competition. The primary goal should be having fun building and racing the cars. The secondary goal is to build the fastest car possible within the race rules.

What about a 'win at all cost' attitude?

There is a big difference between a 'do your best' and a 'win at all cost' attitude. For the pinewood derby (and in all aspects of life), the goal is to 'do our best'. A 'win at all cost' attitude is destructive.

How much should the adult be involved in building a car?

Since ages and abilities clearly differ, the basic rule of thumb is for the child to do as much work on the car as he can physically and safely accomplish. For a younger child, the adult will need to be more involved. For an older child, the adult role should be that of a coach or mentor.

Pinewood Derby Rules and Specifications

Each car must pass inspection by the official inspection committee before it will be allowed to compete. The inspectors have the right to disqualify those cars that do not meet these specifications. If a car does not pass inspection, the owner will be informed of the reason for failure and will be given a time within the official registration period to make adjustments.

1. The car must have been made during the current year (the year in which the derby is held – Sept 2009/Feb 2010)
2. The width of the car shall not exceed 2 ¾ inches.
3. The length of the car shall not exceed 7 inches.
4. The height of the car shall not exceed 6 inches.
5. The weight of the car shall not exceed 5.00 ounces.
6. The minimum width between wheels shall be 1 ¾ inches.
7. The clearance from the bottom of the car to the track must be at least 3/8 inch.
8. **Axles, wheels, and body wood shall be as provided in the kit. ONLY OFFICIAL BSA WHEELS AND AXLES ARE ACCEPTABLE. The mold mark on the wheels may be sanded off but NO OTHER PHYSICAL WHEEL ALTERATIONS may be made. (No truing or sanding of the entire wheel.)**



9. Wheel bearings, washers, and bushings are prohibited.
10. The car shall not ride on any kind or type of springs.
11. The car shall be freewheeling, with no starting devices. “Quick Start” front-ends are prohibited. No part of the car shall extend past the starting pin on the track (NO “U” OR “V” CUT ON FRONT END). No hollowing out on the underside of the front end with the intention to facilitate additional clearance on the starting pin.
12. No loose materials of any kind (such as lead shot) are allowed in the car.
13. Details such as the steering wheel, driver, decals, painting, and interior detail are permissible as long as these details do not exceed the maximum length, width, height and weight specifications.
14. No loose materials of any kind are permitted on the car. The car may be built up to the max weight by the addition of wood or metal only, provided any additional material is securely built into the body.
15. The front and rear of the car must be identified if it is not obvious.
16. Only DRY lubricants may be used. These include graphite and Teflon, among other choices. You may not use oils or grease substances on ANY part of the Pinewood Derby car. Oils and grease will contaminate the track or other race equipment. No lubricant may be added to the car after it has passed inspection.

REMEMBER THE MOST IMPORTANT RULE...HAVE FUN!

Once the car has been inspected and weighed in, it will be placed inside the racetrack area. No adjustments may be made after the car has officially been checked in.

The cars will be handled by the race officials only.

The starter will make sure the cars are on the track properly and then will start the race.

The car whose nose is over the finish line first is the winner. Place spotters will select the first-, second-, and third- place winners. (Blue – 1st, Red – 2nd, Yellow – 3rd)

If a car leaves the track, runs out of its lane, interferes with another car, loses an axle, etc., the heat will be rerun. If the same car gets into trouble on the second run, the contestant is disqualified and automatically loses that race. If, on the second run, another car is interfered with, the heat will be run a third time but without the disqualified car.

Awards will be announced shortly after the heats for which the awards are to be given. The drivers will report to the stage for the awards as their names are called.

SIBLINGS AND ADULT CLASSES

Any adults or siblings that wish to build a car to race may do so, however, these races will take place after ALL of the other races have been completed.

Prizes will be awarded to the siblings and the adults also.

The same Rules and Specifications above will apply to the sibling cars with no variations.

The adult cars ONLY will follow the weight and length specifications below:

Weight: 5 – 15 ounces

Length: 7 inches long

All other specifications apply to the adult cars.