



## DISTRICT PINWOOD DERBY RULES FOR 2013

The Calapooia District Pinewood Derby will be held on Saturday, **April 20th' 2013**. In order to defray the cost of trophies, prizes, and other race expenses, **there will be a \$6.00 registration fee collected from each entrant at the door.** There will be a **Champions Class Main Race** and possibly a **Modified/Outlaw Class Race (if necessary)**, based on Car qualification levels and specifications. All cars must be inspected by the Pinewood Derby Officials prior to racing. The Official inspectors have the right to determine which Race Class the entrant will qualify for and be racing in. Once inspected, the Cars will remain in the custody of the Race Officials until all races are final. In the event of a disagreement over qualifications of any car, the Chief inspector and District Pinewood Derby Committee will settle the dispute and their decision will be final. Lack of knowledge of the official rules will not be considered a valid argument for any disputed decisions. In the event a car is discovered to be in violation of any race class rules after the racing begins, the car will not be allowed to continue racing, and will be disqualified.

**Each Pack is allowed to have at least 5 entries minimum, or equal to 20% of their Pack, whichever is greater. The maximum number any Pack may have is 8 entries. These entries must be determined based on the top finishers from each Pack.** In the event that a finisher from a Pack is unable to compete, a runner-up candidate, selected by the Pack Committee can take their place. After Pack competition, each car is the responsibility of the car's owner. It is up to the car's owner to ensure delivery of the car to the District competition. It is not the responsibility of the Pack's Cubmaster (or any other leadership position) to coordinate storage of, or delivery of, any of the cars to be entered in the District Derby. If a Pack so chooses that is their discretion.

### 1. General

- A. The Rules in effect for the District Pinewood Derby are intended to maintain the competition at a level which most boys are capable of achieving with minimal adult intervention.
- B. In order to qualify for racing, Pinewood Derby Cars must be constructed from Official BSA Pinewood Derby Kits.
- C. The car must be from a Pack that the boy is registered in. Raced in that Pack's Competition and must have been made during the current year. No past year's cars will be allowed.
- D. The Cub Scout and their car must be present at check in, and must be present during the race.
- E. Each Racer will be assigned a Driver # at Registration
- F. Only the drivers racing are allowed at the track. All spectators must remain behind the barriers or in the viewing grandstands.
- G. If a car leaves the track, runs out of its lane, interferes with another car, loses a wheel or axle, etc., that race heat will be run again. If the same car gets into trouble on the second run, the car will automatically be disqualified for that individual race or take the default elapsed time.

### Race Class Qualifications

All rules must be achieved to qualify for the Champions Class Race. There will be an official Pit Area for repairs and alterations that need to be made before Final Check In. There will be 1<sup>st</sup> thru 10<sup>th</sup> place trophies for the Champions Class Race. In the event that a car does not meet the qualifications then the car will automatically be moved into a Modified/Outlaw Class Race. If any cars are deemed Modified Class, there must be a minimum of 6 cars in that Class to race a separate event. In the Modified/Outlaw Class there will be 1 trophies per every 10 cars registered. If there are less than 6 cars registered in the Modified/Outlaw Class they will race in the Champions Race Class but not be eligible for a trophy no matter where the car places. Once a Car has completed Final inspection then the Racing Class will be determined and specified to the Driver. The determination of which Class a car races in will be these District Derby 2013 Rules and the Derby's Official Inspectors. All Decisions on Race Class will be Final. A Driver, Parent, Leader, or Guardian may not request for a car to be in a particular Race Class.

## **Car Specifications** (There are limits within which kit parts may be modified)

### **2. Weight and Appearance**

- A. The wooden block may be cut and shaped to the builders own design.
- B. No body design enhancing the car's starting position is allowed (open V shaped front)
- C. Any attachments (windshield, spoilers, fenders, 'drivers', decals, painting, detailing, etc...) that are used must be solidly mounted to the car. They must not allow the car to exceed the maximum weight, length, and width of the car.
- D. No loose materials of any kind are permitted in or on the car. No Mercury-weighted cars will be allowed. Internal and external weights may be added to the car only providing they are firmly attached to the car. No weight may be added to the wheels, or the car may not have any floating weight that moves inside.
- E. Total weight of the car is not to exceed **5.00 ounces** (or 141 grams). The weigh in at registration is the official weight.
- F. The car must be freewheeling, with no propulsion or starting devices that enhance acceleration

### **3. Length and Width**

- A. The car Length may not exceed 7 inches, or impact the cars starting position
- B. The car width may not exceed  $2 \frac{3}{4}$  inches
- C. The car must have a minimum 3/8-inch ground clearance and  $1 \frac{3}{4}$  inch width between wheels.
- D. The wheel base (distance between the centers of the front and rear axles) must measure from between **4  $\frac{1}{4}$  inches and 4  $\frac{1}{2}$  inches**. Any wheel base that is longer or shorter than this will be automatically entered into the Modified/Outlaw Class Race.
- E. It is recommended to use the pre-cut axle grooves provided with the kit. If it is determined that they are not a true 90 degrees, you may turn the block over and new grooves may be cut at the same depth, distance, and spacing.
- F. Creating axle holes instead of using the axle grooves provided is acceptable, but the wheel base distance, and ground clearance must still meet ALL requirements of Section 3.
- G. The height of the car must not exceed 7 inches and can not impair any other cars from racing cleanly.

### **4. Wheels and Axles**

- A. Only the official wheels and axles provided in the official car kits or official BSA wheel and axle kits may be used.
- B. Colored wheels from an official BSA wheel and axle kit may be used.
- C. Wheel bearings, spacers, washers, bushings, and or ridding on any type of suspension is not allowed
- D. All cars must have four wheels. Three of the wheels must be touching the track surface at all times.
- E. Axle nails may be filed or sanded to remove rough spots (recommended). No other modifications of the axles are allowed.
- F. Wheels may be polished to ensure roundness and remove any rough spots. No Grooving, Rounding, or other modifications to the wheels are permitted. Any car with modified wheels that do not meet the requirements in section 4 will automatically be placed into the Modified Class Race.
- G. Lubrication to the wheels and axles is to be **dry graphite** only. **ALL CARS WILL BE GRAPHITED DURING CHECKIN PROCESS**

### **5. Repairs and Lubrication**

- A. Once a car is weighed in and registered, no further modifications or lubrications will be allowed.
- B. Graphite will be available at the race and will be applied to each car equally during registration by the race Officials.
- C. If a car does not complete a race, then that race heat will be re-ran one time only. If it does not complete the second time, than they will be given the default elapsed time of 9.99 seconds for that heat.
- D. Once cars are weighed and registered, any repairs that are required must be performed with the permission of and under the supervision and witness of the Pinewood Derby Officials.
- E. Cars unable to be repaired in time for a race will forfeit that race or take default elapsed time of 9.99 seconds for that heat.

**Theses rules are governed by the Calapooia District Pinewood Derby Committee and may be changed or altered as needed. The District Pinewood Derby Committee will determine the District race format.**

**These rules supersede any and all previous rules or interpretations thereof.**