

General Rules – All cars must comply with the following:

1. ***The Pinewood Derby is for ALL Cub Scouts of the Big Lick District!***

- All participants in the Speed and Show categories **must** be registered Cub Scouts. (Second year Webelos that have officially crossed over to a Boy Scout Troop are no longer Cub Scouts and are only eligible to enter the Open category.)
- There are three categories within which a Cub Scout may compete
 - Speed:** Cars that race against each other. Cars will run the Sternes method and the winner will not be determined until after all cars have run the pre determined number of rounds.:
 - Show:** Cars compete against all the other cars in their category for “Best of Show” based on the most creative car designs. These cars will NOT participate in the “Speed” category.
 - Open:** This is a racing category that is run at the end of the Cub Scout races. It is open to anyone. All cars must meet the requirements under the “Speed” category, below. There is no registration fee for the open category. There are no prizes awarded in the Open category. If a Cub Scout has entered his car for Show and it meets the requirements to race in the Speed category, that car may be entered in the Open category. There are no age distinctions in the Open category.
- Awards will be given for First, Second, and Third Place in each grade (Den level: Tiger, Wolf, Bear, and Webelos) for Speed (12 trophies) and show (12 trophies). First and second year Webelos will compete as one group: Webelos. In the Show category, judges may award certificates to cars for creative designs.
- During the District Pinewood Derby, all Scouts, Leaders, and Parents are **expected** to exhibit their best scout behavior and manners and are **expected** to demonstrate good sportsmanship. Non-compliance may result in the Scout forfeiting his participation in the District Pinewood Derby.
- All cars entered must be made from official BSA Pinewood Derby kits (released the current year) and include the original block of wood, original axles and four original wheels.
- All cars entered must be made during the 2008-2009 Scouting season. Cars from previous years are not allowed. Cars may be modified after the Pack race, but the same car must compete at the District Level.
- Each participant may only register one car. The Cub Scout may only register that car in one of the two categories: Speed or Show. A Cub Scout that registers his car for Show may compete in the Open competition as long as his car meets all Speed requirements.
- Since there is the opportunity to use electronic sensors for timing, it is recommended that Pinewood Derby cars competing in the Speed category not have a sharply pointed nose.

Show – Cars competing for “Best of Show”:

- Cars entered for Show will not be required to comply with the length, width, and weight rules.
- All derby cars entered for Show must still be able to perform the basic functions of a derby car (i.e., have a body and wheels).
- Show cars may be raced in the Open category if they meet all the Speed category requirements.

Speed – Cars racing for fastest car: All cars entered for the Speed Events **must** comply with the following additional rules. Cars that do not meet these standards may be registered in the Show category but will not compete in the Speed category.

- Cars must comply with the printed rules contained in the derby car kits (current year kits) regarding car dimensions, including but not limited to the following:
 - Width not to exceed 2-3/4 inches
 - Length not to exceed 7 inches
 - Weight not to exceed 5 ounces (142 grams; 1 ounce equals 28.4 grams)
 - Height not to exceed 3 inches
- Only axles and wheels contained in the current year Pinewood Derby kits will be used.
- No washers or bearings may be used on the wheels or axles.
- No spring suspensions.
- Wheels cannot be altered to change the footprint (shape; surface area in contact with the track). Flashing (mold seams) may be removed, but wheels may not be narrowed, ridged, or otherwise altered.
- The wheel base (distance between front and rear axles) may not be modified. If the pre-cut grooves for the axles are not true (square to the chassis) the grooves may be re-cut to make them true, however, the wheel base (distance from front axle to rear axle) must be maintained.
- Every effort must be made to ensure all four wheels are touching the track. Some minor play is allowed, however gross errors will be cause for disqualification.
- Axles may only be polished to remove flashing (molding seams, e.g. burrs). Axles that have been modified (e.g. polished to reduce the diameter of the axle or axle heads) will be cause for disqualification.
- Dry lubricants are the only authorized lubricants. No wet lubricant is allowed. (NOTE: The owner of the location where the Pinewood Derby is run may prohibit the use of certain lubricants.)
- No hubcaps or wheel coverings may be used to hold in lubricant.
- All weights must be securely fastened to car.
- No sliding or liquid based weights are allowed.
- If a car breaks down during a race, only the repair or replacement of that part is allowed, and only if it affects the basic performance of the car (e.g., a wheel comes off). A weight coming off the car does not affect the basic performance of the car. A heat will not be re-run due to a car’s mechanical failure.
- No Parent will be allowed into the race or show area (impound lots) once cars have been registered, except to assist in making repairs, and then only under the supervision of a Derby official.
- Any dispute, challenge of the rules, or rules decision will be taken to the Pinewood Derby Chair. The decision of the Pinewood Derby Chair is final.