

**Alamance District Pinewood Derby 2015**  
**May 9<sup>th</sup> at Westcott Automotive Showroom.**  
**Check-in /Inspection will begin at 11:30am to 12:45pm**  
**Race will begin at 1:00pm**

The purpose of the Pinewood Derby Race is for a scout and his parent(s) to complete a project together. This is a team building event, where you spending time with your son to work on the car to improve his Pinewood Derby experience. Your son should be involved in every part of the car building, there are some things that should be completed by an adult (any use of power tools for example). Other parts like sanding, painting and design should be done by your son. **If one of the Pack winners is a Webelos II at the time the Pack's Pinewood Derby race is ran then they can participate in the District's Pinewood Derby race.**

**Alamance District Pinewood Derby Rules**

1. **The inspectors have the right to disqualify any cars that do not meet the specifications.** Cars not meeting the specifications may be modified in order to comply, but must pass inspection and be ready to race by 1:00PM. Cars must be lubricated and ready to race before it is brought to the inspection / registration table. After inspection is passed, the car will be placed in the pit area and may not be modified in any way, except replacing lost axles/wheels, until the completion of the derby. Re-lubrication during the race is not allowed.

2. The car must have been made during the current year that the derby is being held. The spirit of the Pinewood Derby should be followed while constructing the car. The purpose of the Pinewood Derby is to have the Scout work together with their parent(s) to complete a project (in this case build a Pinewood Derby car).

3. Physical Characteristics of the car: **The car weight shall not exceed 5.0 ounces. The official race scale shall be considered final. The overall length shall not exceed 7 inches. The overall width shall not exceed 2 ¾ inches. The overall height shall not exceed 3 inches. The car must have 1 ¾ inches between the wheels. The car must have 3/8 inches clearance underneath the body. Only the official BSA Pinewood Derby kit (part number 17006) may be used. The wood provided in the kit must be used. The block may be shaped anyway that is desired. (SEE CLARIFICATION OF THIS SECTION BELOW)**

4. Wheels: Only official BSA wheels may be used. Wheels that come in the official Pinewood Derby kit are preferred but the new colored BSA wheels (BSA part numbers 17554, 17554, 17555, 17556, 17557) will be allowed but must follow the same rules. The wheels may not be cut, drilled, perforated, tapered, beveled, rounded or thinned. You may remove the seam from the wheels by lightly sanding the wheel. Any significant reduction in material from the wheel is prohibited. The lettering and serrated edge on the outer wheel must remain intact. The lettering on the inside of the wheel must remain intact. Coning of wheel hubs are not allowed. Lathed wheels will not be allowed. Wheels that have been modified to reduce weight will not be allowed.

5. Axles: Only the axles that come in the official BSA Pinewood Derby kit may be used. They may be polished and/or lubricated with dry lubricant. The tip of the axle must be visible for inspection to ensure the correct axle is used. If the new BSA axle covers are used you may be asked to remove them for inspection. Grooved Axles are prohibited. Wheel bearing, washers, bushings and hub caps are prohibited.

6. Axle Slots: All cars must use the precut slot for the axle placement. Slots may not be altered in any way except to correct a defect, then follow instructions with the kit for defect correction. Inspectors must be able to visually inspect the axle to confirm that the correct axle has been used. The wheelbase (the distance from center of the front axle slot to the center of the rear axle slot) cannot be altered from that of the official BSA kit.

7. Miscellaneous: The car must not ride on any type of spring(s). The car must be freewheeling with no starting/propulsion devices. No V-cuts are allowed in front of the car. The entire car must stage behind the starting pin. Any additions to the car such as figurines, ladders, windshields, headlight, etc. must be securely added to the car and must be within the length, width, height, clearance and weight limits. No loose or movable weights may be used

Reference #3 above:

This section references the kits purchased through the Scout Stores and not kits purchased at other stores some of these kits are Pinewood Derby kits but have two sets axles grooves as shown in the diagram below. If your group uses these kits they will need to use either the set of grooves labeled **SET 1** or **SET 2**.

The distance between the wheels has to be  $1 \frac{3}{4}$  inches no matter which set of axle grooves are used.

