

Pinewood Derby Race 2016

Official Rules & Regulations

RULE #1: WE ARE HERE TO HAVE FUN!

RULE #2: IF IN THE EVENT YOU DISAGREE WITH THE OUTCOME OF A RACE, A DECISION MADE BY A RACE OFFICIAL OR ARE NOT HAVING FUN, PLEASE REFER TO RULE #1.

Your Cubmaster or designated leader should have confiscated the top 3 winners and 1 runner-up of the Pack Pinewood derby and placed the cars in a box or container that was sealed in front of the winners. Derby cars should not have been modified in any way between the Pack derby race and the District race.

Any parents, adults, siblings, Cub Scouts or other spectators interfering with any judging or races will be asked to leave the race.

Pinewood Derby Car Specifications:

- * Width Shall not exceed 2 $\frac{3}{4}$ inches overall.
- * Length Shall not exceed 7 inches overall.
- * Height Shall not exceed 3 inches overall.
- * Axles
 - A) Wheelbase must not be altered. The axles must be attached to the car body in the pre-cut grooves.
 - B) The wood block width at the axle slots shall not be altered (1 $\frac{3}{4}$ "
 - C) Alterations to the axles are not permitted beyond sanding of the burs on the nail head.
- * Weight
 - A) Shall not exceed 5 oz.
 - B) Care should be taken to build the car as close to 5 oz. as possible.
 - C) Additional fixed weights may be secured into or on the car body. (No moving weights.)
 - D) No weight will protrude from the bottom of the car.
- * No loose material of any kind is allowed in or on the car.
- * Wheel bearing, bushings, washers, and springs are not permitted.
- * Cars must be freewheeling with no starting devices.
- *Wheels
 - A) The **wheels and nails provided in the PWD kit** or **equivalent BSA wheels** must be used.
 - B) Rough edges may be removed from the wheels.
 - C) The wheels basic dimensions may not be altered in any way including the thickness.
 - D) Wheels shall not have fins, slots, or airfoils cut into them.
- * Under no circumstances will a car be made from more than one official PWD kit.
- * Details such as steering wheels, decals, etc. are permitted.
- * **E) All four wheels must make contact with the track surface and be free spinning.**
- *Lubrication
 - A) No car will be lubricated after weigh-in.
 - B) Dry powdered graphite is the **ONLY** approved lubricant.
 - C) Scouts are to supply their own powdered graphite lubricants.
- * Needed repairs must be done in the pit area under supervision of the pit official.
- * Each car must pass inspection by the official inspecting committee before it may compete. The inspectors have the right to disqualify those cars, which do not meet these specifications.
- * Owner of each Derby car must be present at District race to qualify. Substitutes will not be allowed.
- * Racers must arrive on time for their specified segment. If a racer is late he will be excluded from the race.

Remember, we are here to have FUN!

