Hiawatha District Pinewood Derby Racing Rule
See New Rules for 2010 Racing below!

Derby Car Kits: All Scouts will use the official BSA Pinewood Derby Kit purchased from scout service center built this year; no precut kits will be allowed to compete in the Races. Paint, decals, accessory trim pieces, and weights are allowed.

Inspection: Cars will be inspected and weighed by the racing staff during registration at the scheduled times. Cars that fail to meet specifications below will not be permitted to race. After final approval, cars will be put into impound area until it is needed for a race. A car can be disqualified at anytime during races for not meeting rule specifications.

Impoundment: Cars must stay in impound area until time for racing and can not have adjustment done before a race. Winning cars from the Preliminaries (top three cars from each heat) will be impounded and will be held by the racing staff until finals races are run. Cars that are not proceeding to the Finals will be given back to the Scouts.

CAR SPECIFICATIONS:

Body: The body in the official BSA Pinewood Derby Kit, supplied by the Pack, must be used. Bodies of other materials will be disqualified. The body may be shaped, hollowed out, or built up from the original block as long as it meets all other specifications. The nose of the car can not be grooved or slotted in any manner which causes it to have the front of the car past the starting peg and that will place the front of the car closer to the finish gate. **New Rule – Also the nose of the car that rests against the starting peg cannot be more than ¼ inch above the axial line; grooves.** Any additions to the original body (drivers, decals, paint, weights, etc.) must be firmly attached.

Dimensions: The car width at the wheel locations may not be modified. It must be the same as the original kit (1 3/4”). Other portions of the car body width may be narrower if desired. Overall width (measured to the outside of the wheels) may not exceed 2 3/4”. Overall length may not exceed 7”. This includes any weights, decorative tailpipes, etc. **Overall HEIGHT may not exceed 3" (Point of wheels contacting track up to highest point of car or driver).** Minimum bottom clearance below the body must be at least 3/8” to prevent dragging on the guide strip

Wheels & Axles: Only wheels and axles furnished in the official kit are allowed, or spares that are purchased at the scout office. **All wheels are required to have the raised BSA – Pinewood Derby letters on the outside of the wheels. See clarifications below**. No washers, bushings, bearings, rubber tubing, or springs are allowed. Axles may be polished if desired. The bottom surface of the wheels may be sanded to remove any blemishes left from manufacturing. **No additional shaping of the wheels is allowed (such as sanding/turning into a "V" or "U" shape).** Wheel surface must remain flat with full tread surface

Weight: The weight of the race-ready car must not exceed five (5) ounces (141.7grams). Weight will be measured using the official scales when the car is registered. After the official weigh-in, no adjustments may be made to the car.

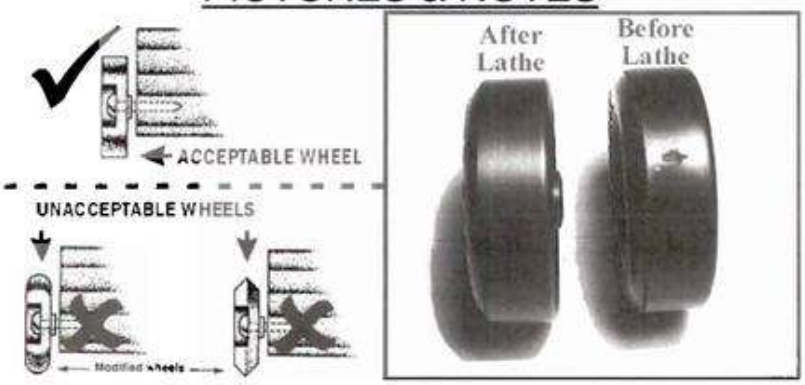
Lubricant: Graphite or other dry lubricants are the only lubricants approved for use. No oil or silicone may be used. Lubricant must be applied by the Scout or parent prior to entry into the building. There can be no coverings over the wheel hubs, must be able to inspect axle used. No stored graphite in hub area. Once races begin, no additional lubricant may be applied.

Other: Cars must freewheel with no stored energy or movable weights. There is no designated front or back to the supplied body - either end may be the front.

Sportsmanship: Scouting encourages good sportsmanship. Cars will be disqualified if the Scout or his parents display unsportsmanlike conduct on the race site. Remember, it is only a race and the object is for all Scouts to have a great time!

See Rule Clarifications below….

PICTURES & NOTES



Wheels may be sanded or lathed to remove imperfections and flattened but may not be reshaped or shaved.

RAISED LETTER WHEEL (FRONT)

RAISED LETTER WHEEL (REAR)

Wheels will be inspected for lettering; raised lettering may not be sanded off.

Axel imperfections can be removed and axels may be polished.