

# Allegheny Highlands Council

## Pinewood Derby Rules

**Participation:** The top three winners of each pack are eligible to race in the “Top Banana” race.  
All Cub Scouts are eligible to race in the “Grand Prix” race.

**Inspection:** Cars will be inspected “before” registration to comply with race specification and “Cub Scout Grand Prix” publication #33721A. Any car that is in violation of these rules must be changed to comply with these rules or they will not be allowed to race.

**Impound:** Cars will be impounded after they are registered. After being impounded, repairs will be limited to damage occurring during the race.

**Repairs during race:** If during the race a car part becomes dislodged, the boy and a race official at the designated repairs table may reattach the part in the original location. All repairs will be done with hot glue only, with no other modifications being allowed. All repairs must be made in the presence of race officials. After repairs, the car will be re-subjected to inspection. Any unauthorized modifications done to a car after it has been registered and impounded will be subject to disqualification.

**Specification:** *Car must be made in the current year.*  
(EXCEPETION- ALUMNI RACE CAN USE PREVIOUSLY RACED CAR).

**BODY:** The body in the Official BSA Pinewood Derby Kit or be an official BSA accessory must be used. Bodies of other materials will be grounds for disqualification. The body may be shaped, hollowed out, or built up from the original block as long as it meets all other specification. Any additions to the original body, i.e. steering wheels, drivers, decals, paint; weights, etc. must be firmly attached. Be sure that your car does not come to a point in the front. Some tracks cannot accommodate that.

**WIDTH:** The car width at the wheels may not be modified; it must be the same as the original kit. Width must not exceed 2 3/4”.

**LENGTH:** Overall length may not exceed 7”.

**CLEARANCE:** All cars must have a minimum 3/8” to the bottom of car. This will allow no contact between car body and track itself.

**WHEELS:** Wheels and axles must be as furnished in the official kit or be an official BSA accessory. NO washers, bushings, bearing or springs are allowed. Wheels may be sanded to remove the manufacturing flashing only. NO reduction in width or diameter, or “changes in shape” are allowed. No additional holes maybe added to the center of wheels. Wheels must lay flat on the track.

**LUBRICATION:** Only dry powder lubricants, such as graphite or white powder Pinewood Derby Car Lubricants, may be used. Oils and silicone sprays are prohibited. All cars must be lubricated before inspection only.

**NO LUBRICANTS MAY BE USED ONCE CARS ARE REGISTERED!**

**WEIGHT:** The weight of the race ready car must not exceed five (5) ounces as measured on the official scale. All weight must be securely attached with absolutely no movable weight. No weights may protrude past wooden bodyline. Do not add weight on the bottom as this might make your car “bottom out”.

**OTHER:** Cars must free wheeling with no stored energy or movable weights. There is no designated front or back to the supplied body, either end may be the front. Racing will be on a Perfect N basis (timed). Each scout will race equal number of times and race equal number of times on each lane. Times will be AVERAGED to determine the top three winners.

**\*\*\*Scouting encourages good sportsmanship\*\*\***

Cars will be disqualified if the Scout or their parents display un-sportsman like conduct in the race site!  
The race officials will make decisions on any and all discrepancies and all decisions will be final!