

THREE RIVERS DISTRICT, GAC-BSA 2022 OFFICIAL PINWOOD DERBY RULES

The purpose of the Derby is to provide a positive experience for the Scout, the parents, the Pack and the Chartered Organization with the emphasis on THE SCOUT.

1. **You must use official BSA Pinewood Derby bodies, wheels and axles.** Use of pre-cut bodies is prohibited. BSA Grand Prix Pinewood Derby wheels and axles that have been altered and resold by third parties are prohibited. Car must be built within the current Scout year.
2. Weight: 5.00 ounces or less. The Official Scale is FINAL.
3. Length: 7 inches maximum. Typically 2.75 "minimum. Cars should clear the track center guide, typically 3/8 ".
4. Height 4" maximum. Car wheels must be at least 1 5/8" apart to straddle the center guide.
5. Gravity powered only. No power assisted devices such as rubber bands or magnets.
6. No additional items may be added to the wheels or axles such as washers, springs, bearings, bushings, o-rings, etc. **You cannot modify the size, shape, dimensions, angle, canter wheels or weight of the wheels in any way.** **This includes sanding of the tread.** There is one exception to this rule - you may lightly sand the hub (the part of the wheel that touches the car body).
7. Axles may be filed, polished, grooved – as long as BSA axles from the official car kit are used and the work is done by the scout and/or their parent/guardian. You cannot bend axles.
8. Dry lubricants, such as graphite or Cub Scout Teflon Powder, may be used to lubricate the wheels. Any lubricant must be dry at the time of inspection. A Service Pit area will be provided for cars to make last minute adjustments, graphite, and weight changes. Cars are to be protected (in a box) while outside the Pit area to prevent graphite from getting on the floor.
9. No part of the car body, wheels or attachments may protrude in front of the starting peg.
10. It is **not** required that all four wheels make contact with the track at the same time.
11. No moving or loose parts may be incorporated into the construction of the car. The car design may be enhanced by the addition of other stable materials such as plastic or metal. Any additions must be firmly attached and meet Car Size Requirements.
12. Wheel base may be changed so long as the wheels do not exceed the specified length of the car.
13. The Scout must be present to enter their car into competition. The Scout does not have to be there for the actual race.
14. Any car not meeting the stated rules when inspected will have the opportunity to change the car to meet the specifications.
15. Decisions of the Judges and Derby Committee are FINAL.
16. Sportsmanship, fair play, ability to race within the stated rules and Scouting spirit are the tone of the day.

All winning cars at the Derby will be subject to a post-race inspection.

6 DIVISIONS: LION, TIGER, WOLF, BEAR, WEBELOS, AOL