

Middlebury Pack 6 Pinewood Derby Race Day Rules

1. A completely new Pinewood Derby car must be built each program year to race in the Pack 6 Pinewood Derby. Cars built and raced in previous program years will be disqualified. This is an Honor System rule.
2. Each scout will present his car at the inspection table to have the car checked for correct dimensions and weight. **See 'Racing Specifications' sheet below.**
3. All Cars must have a name and will be given a number according to rank and den.
4. After the car passes inspection, it will be placed on a 'Restricted Table'. The car will not be touched by anyone, except a race official, after being placed on the 'Restricted Table'.
5. In case of illness or accident, someone may present the scout's car for the race.
6. All cars will be handled, placed on and off the track, by race officials only.
7. Heats will be run on a random selection system.
8. Car repairs during the race are prohibited unless the car is officially removed from the track by Den Leaders. In that event, all cars from that heat will be held by the Leaders until repairs are completed, and the repaired car is reweighed and re-inspected for compliance. The scout will be allowed to make repairs under supervision of a Den Leader. 5 minutes will be allowed for repairs. All cars in that heat will be re-run immediately upon completion of repairs.
9. There will be spare parts for repairs available on the race day. A hot glue gun will be available for the use of anyone needing it. A drill will also be available.
10. Only Den Leaders and Judges will be allowed access to the area immediately surrounding the track and tables with the cars.

RACING SPECIFICATIONS

1. WIDTH: **Overall width shall not exceed 2 3/4"**. If the car design you choose has a narrow body, make sure the area where the axles are inserted into the body remain within the racing specifications.
2. LENGTH: **Overall length shall not exceed 7"**.
3. HEIGHT: **Overall height shall not exceed 3 1/2"**.
4. CLEARANCES: **Distance between the wheels shall not be less than 1 3/4"**. **Clearance beneath the car shall be at least 3/8"**.
5. WEIGHT: Weight shall **not exceed 5 ounces** or **141.75 grams**. The car may be hollowed out or built up to the maximum weight by adding material. All material added to the car must be securely fastened to the car. No moving material or parts will be allowed.
6. WHEELBASE: **Wheelbase** (distance between the axles from front to rear) **will remain at the as delivered dimension of 4 3/8" +/- 1/8"**. The original slots in the wood block may be filled and re-drilled to insure that they are 'square'. But the original dimension must be maintained. If the block is drilled, this must be done in such a way as to allow inspection of the axle pointed ends.
7. AXLES: The **axles** provided in the **Official BSA Pinewood Derby** kit are the only axles that will be allowed. Axles may be de-burred and polished. The point of the axles must be visible to check that the axles are from the kit.
8. WHEELS: The **wheels** provided in the **Official BSA Pinewood Derby** kit are the ONLY wheels allowed. They are clearly marked as being BSA supplied. The ONLY alteration allowed to the wheels is to sand off the plastic casting ridge from the production mold. The markings on the front side of the wheel must remain clearly visible. All other alterations, including rounding of the tread area edge, tapering, grooving, ridging or adding material to the wheels is expressly prohibited. The kit provides wheels with different numbers on the inside of the wheel. You must have three different numbers on wheels. No internet wheels.
9. ATTACHMENTS: Wheel bearings, washers, bushings, or any such material that may act as a bushing or bearing is expressly prohibited. The car may not ride on any type of spring. The car must be free wheeling with no starting device of any kind.
10. DETAILS: Detail attachments such as steering wheels, driver figure, decals, paint, pipes, etc., are permissible as long as these detail items are securely attached, and do not exceed the Racing Specifications for weight, length, height and width.
11. LUBRICATION: Graphite powder or TEFLON powder are recommended. No liquid lubricants of any kind are allowed. TEFLON is available through BSA supply sources. (Scout Shop)
12. INSPECTION: Each car must pass an inspection by Event Committee Officials before it may compete. The inspectors have the right to disqualify those cars that do not meet the above specifications.