



# Pack 663 Pinewood Derby

## Key rules\*

- Length  $\leq 7$  inches
- Width  $\leq 2\frac{3}{4}$  inches
- Clearance between the wheels  $\leq 1\frac{3}{4}$ "
- Clearance under the body  $\leq 3/8$ "
- Weight  $\leq 5.00$  ounces
- Only Official BSA Pinewood Derby Kit wheels, axles and body can be used
- Only dry lubricants allowed

*\*For a complete list of rules, see the official derby handout*

## Race Day Ribbons

Age group 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> place

## Blue and Gold Trophies

- Overall pack 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> place times
- Scouts vote
- Akela's Choice

*Our race inspectors are volunteers who want every Scout to have a fun and fair time. Their goal is to reinforce the values of Scouting, like sportsmanship and personal achievement, by helping the boys live the Cub Scout motto of "do your best".*

# 2019 PINWOOD DERBY IMPORTANT DATES AND SCHEDULE

**WORKSHOPS:** Tools, guidance and help will be available for your Scout to create his Pinewood Derby car at these times:

**Saturday, January 12: 9:00 a.m. – 1:00 p.m.**

**Saturday, January 19: 9:00 a.m. – 1:00 p.m.**

**Tuesday, January 22: 6:30 p.m. – 7:30 p.m.**

**CAR CHECK-IN:** Cars will be inspected, checked-in and secured at the church overnight.

**Friday, January 25: 6:00 p.m. – 8:00 p.m.**

*Once cars are checked-in, they may not be touched again by anyone other than race officials until after the races are complete.*

## **RACE DAY SCHEDULE! SATURDAY, JANUARY 26**

**9:00 a.m. – 10:00 a.m. – CHECK-IN:** Any cars not checked-in Friday evening will be inspected and checked-in at this time.

*Cars not checked-in by 10:00 a.m. will not be eligible to race in the Official Cub Scout Race!*

*Once cars are checked-in, they may not be touched again by anyone other than race officials until after the races are complete.*

**10:00 a.m. – 10:30 a.m. – VOTING:** Each Cub Scout will have the opportunity to cast a vote for awards.

**10:30 a.m. – RACING BEGINS!**

The “Unofficial Open Class” and “Unofficial Outlaw Class” races will take place following the Cub Scout Races.

**\*\* FOOD WILL BE AVAILABLE FOR PURCHASE ON RACE DAY FROM BOY SCOUT TROOP 663 \*\***

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# 201 Pack 663 Pinewood Derby Information

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The 2019 Pinewood derby will consist of three sections (the physical car specifications are the same for the Official Cub Scout Race and the Unofficial Open Class Race):

- 1) Official Cub Scout Race
- 2) Unofficial Open Class Race
- 3) Unofficial Outlaw Class Race

The **“Official Cub Scout Race”** is for Cub Scouts only. Winners of each group will be recognized for placing in the top three for their group.

Note: For the “Official Cub Scout Race”, it is important to reinforce the concept of the Cub Scout taking a significant leadership role in their car design, manufacture and decoration. Adult supervision is acceptable and often necessary for safety; however, the race officials will speak with the boys to understand their role in making the cars. Cars that “look to good to be true” for a respective age group will be subject to additional scrutiny and if it is determined that the Cub Scout’s involvement was indirect or otherwise insufficient the race official may, at their discretion, move that Scout’s car to the “Unofficial Open Race”. The reason for this is that a Tiger who makes his car, imperfections and all, simply cannot compete with a car assembled by an adult. Our goal with the Pinewood derby is to reinforce the values of Scouting like sportsmanship and personal achievement by helping the boys live the Cub Scout motto of “do your best”.

*Which car did a Tiger Cub make?*



The **“Unofficial Open Class Race”** is open to anyone. This race is “just for fun”. Any car built prior to the 2019 race (i.e., “old” car) that meets the racing specifications may be used with one exception. If a car previously placed for any age group, it cannot be entered into either the Official or Unofficial race. The reason for this is to increase excitement and variety in winners and prevent the reuse of “ringers”.

The **“Unofficial Outlaw Class Race”** is open to anyone. This is another “just for fun” race with none of the rules of Open Class or Cub Scout races.

# 2019 Pack 663 Official Pinewood Derby Car Specifications

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Each car must pass inspection by the official race inspectors before it may compete. If, at registration, a car does not pass inspection, the owner will be informed of the reason for failure and, where appropriate, will be given time within the official weigh-in time period to make the adjustment. After final approval, cars will not be re-inspected unless the car is damaged in handling or in a race.

The race committee has the responsibility to disqualify those cars that do not meet these specifications. Cars that do not meet the requirements cannot race. Once a car passes inspection and is entered into the race, only race committee members can touch it. Our race inspectors are volunteers who want every Scout to have a fun and fair time; please help them in any way you can.

## **Dimensions**

- The overall length of the car shall not exceed 7 inches.
- The overall width of the car shall not exceed  $2\frac{3}{4}$  inches.
- The car must have  $1\frac{3}{4}$ " clearance between the wheels.
- The car must have  $\frac{3}{8}$ " clearance underneath the body so it does not rub on the track.

## **Weight**

- Fully assembled weight shall not exceed 5.00 ounces. The reading of the official scale will be considered final.
- The car may be hollowed out and built up to the maximum weight by the addition of wood, plastic or metal, provided the material is securely built into the body or firmly affixed to it.

## **Body**

- The official pine wood block must be used. Purchasing pre-made bodies is NOT ALLOWED.
- The block may be shaped in any way that is desired as long as these details do not exceed the maximum length, width or weight specifications.
- The car body may have no moving parts.

## **Axels**

- Only axels provided in the Official BSA Pinewood Derby Kit can be used. No solid axels or replacement axels permitted.
- Axles may not be altered in any way except for polishing (e.g. removing the burrs).
- Only dry lubricant (e.g. graphite) is permitted. No wet lubricants permitted as these may harm the surface of the track.

## **Wheels**

- Only wheels provided in the Official BSA Pinewood Derby Kit can be used.
- Wheel bearings, washers and bushings are prohibited. The car shall not ride on springs.
- You may remove the seams and gross imperfections from the wheels if present. However, beveling, tapering, rounding, drilling, or lathe turning of the wheels is prohibited.

## **Decoration**

- Details (e.g. steering wheel, driver, fins) are permissible as long as these details do not exceed the maximum length, width and weight specifications. All parts are firmly affixed to the car.
- No liquids or loose materials of any kind are permitted in or on the car.
- Cars with wet paint will not be accepted.

## **Other rules**

- The car must be free-wheeling, with no starting device or other type of propulsion.