

# **Pinewood Derby Rules – Pack 256**

## **February 23, 2020 – 6:00 Virtual Event**

### **RACE CLASSES**

Scouts & Adults are allowed to join only one class listed below.

Only one car may be entered per person.

Each car will race in 3 heats.

The single fastest time of those 3 heats is the only time that will be counted.

**LIONS RACE:** There is a separate race at the beginning of the event specifically for Lions. Lions will all receive medallions on ribbons to honor their participation, but will not compete for the speed trophies available to older Scouts. Cars made by Lions are still eligible to win the design awards & “Most Awesome” car.

**CUB SCOUT RACE:** For all Scouts *except* Lions. New cars, built by Cub Scouts *since last year's Pinewood Derby*, will race for **1st-10th place trophies**. Additionally, a panel of adult judges will decide on **nine design awards** listed below.

**OPEN CLASS RACE:** Siblings and/or Scouts may race newly built cars or cars from previous years. The cars will race for **1st-3rd place trophies**. Additionally, a panel of adult judges will decide on two awards: (1) Sibling Power; and (2) Fastest Looking.

**ADULTS CLASS RACE:** Adults may race newly built cars or cars from previous years. The cars will compete for **1st-3rd place**, but no trophies will be given. Bragging rights only. Adults are not eligible for design awards.

### **ACHIEVEMENTS**

All Scouts who participate in any race will earn a Pinewood Derby segment.

## GENERAL BUILD RULES

**Lions Race** and **Cub Scout Race** cars shall adhere to all specifications below.

**Open Class Race** and **Adult Class Race** cars shall adhere to all specifications below, with the exception that stock wheels and axles may be modified.

- The car must be built with BSA supplies (wood block, wheels, axles) as supplied in the official Grand Prix kit. Replacement kits are available for purchase at the Scout shop or from the Pack. ***NO PRE-CUT CAR KITS ALLOWED.***
- Official BSA wheels must be used. Wheels may be buffed and seams removed but wheels may not be modified (cut, drilled, beveled rounded, etc).
- Official BSA axles must be used. Axles may be polished and burrs removed, but axles may not be modified (grooved, tapered, etc.).
- Additional materials may be affixed to the cars for cosmetic reasons, but these may not cause the car to exceed length, width, or weight limits.

## SIZE SPECIFICATIONS

- The car weight shall not exceed **142 grams** on the official race scale.
- The overall length of the car shall not exceed 7".
- The overall width of the car shall not exceed 2 3/4".
- The overall height of the car shall not exceed 5".
- The car must have 1 3/4" clearance between the wheels to fit over the tack guide. Do not narrow the clearance!
- The car must have 3/8" clearance underneath the body. Do not attach external weights to bottom of car!

## FINISHING RULES

- Wheelbase (distance between front and rear axle) may be changed from the pre-cut slots.
- Wheel bearings, washers, or bushings are prohibited. The car must not ride on any type of springs.
- The car must be freewheeling, with no starting devices.
- No loose material of any kind such as lead shot, may be used.
- Dry lube (e.g. graphite) only.
- In case of conflict between specifications above and the ***Car Specifications and Rules*** found on the "Official Grand Prix Pinewood Derby Kit" instructional insert, the specifications above shall prevail.

### **Weigh-In / Inspection:**

- **ALL cars must be brought to a weigh-in event** where they will be inspected to ensure they meet the specifications criteria. Each car will be assigned a number at the event.
- Create a name for each car, which will be used throughout the race and displayed along with race results.
- When a car has passed the weigh-in process, **it will be kept by the race officials** until after the race. *No exceptions.*

### **Weight-In Time & Location:**

10am-2pm on 2/07/2021

Asst. Cubmaster Brian B's House  
1002 SW Tangent St.  
Portland, OR 97201

Sign up for your 10-minute weigh-in slot by logging into Google and selecting a time [here](#).

### **Race Night:**

- This will be a virtual event. Race starts at **6:00 PM** on February 23, 2021.

### **Race Format:**

- Cars will be randomly selected into groups and will race in three heats.
- The method used to determine race times and finishing positions will be the car's **single fastest time** from all its races. The method will be used for all cars and will not be changed during race night. This means Scouts need not worry about a bad result for their car in a single race, because the race times are not averaged. Only the fastest time from a car's three heats matters.

## DESIGN AWARD DESCRIPTIONS

### Lions Class & Cub Scout Class Combined

- |    |                      |  |
|----|----------------------|--|
| 1  | Most Awesome         | Scouts vote on this by filling out an online form  |
| 2  | Most Artistic        | Dazzle the judges with your inner Da Vinci         |
| 3  | Best Craftsmanship   | Quality of design and work                         |
| 4  | Strangest Shape      | Self explanatory. Stay within the size constraints |
| 5  | The Independent Mind | Best car clearly made by a kid                     |
| 6  | Best Detail          | Anything from glue-ons to detailed paint           |
| 7  | Funniest             | Make the judges laugh!                             |
| 8  | Best Paint           | Self explanatory                                   |
| 9  | Real Car Copycat     | Looks like a real car                              |
| 10 | Sci-Fi Theme         | Star Wars, Star Trek, NASA, rocket ship, etc.      |

### In the Open Class

- |   |                 |                             |
|---|-----------------|-----------------------------|
| 1 | Sibling Power   | Coollest car from a sibling |
| 2 | Fastest Looking | Self explanatory            |

### In the Adults Class

No design awards are available