



February 24, 2024 starting at 9am
(Racing by Dens: Lions Tigers, Wolves, Bears, Webelos)

**Where: Alton Square Mall
(JCPenney Court)**

Registration: \$10.00

Age	Registration	Racing
Lions	9:00 am	9:30 am
Tiger	9:30 am	10:00 am
Wolf	10:00 am	10:30 am
Bear	10:30 am	11:00 am
Webelos/AOL	11:00 am	11:30 am

(There is **NO** registration fee for your individual Pack races.)

Each unit is responsible for making copies of these rules and providing it to each Cub Scout before racing!

Official BSA Rules and Regulations

Piasa Bird District, Greater St. Louis Area Council Pinewood Derby

1. **Width:** Overall width shall not exceed 2-3/4 inches. Minimum width (between the inside edges of the wheels) is 1-3/4 inches.

2. **Length:** Overall length shall not exceed 7 inches.

3. **Weight:** Total weight shall not exceed 5 ounces.

4. **Car:** The car must have been made during the current year (the year in which the derby is held).

5. **Wheels:** Only the following wheels may be used: (1) the STOCK WHEELS that come with the Official BSA Pinewood Derby Kit, No. 17006, or the following Official BSA Wheels:

(2) Black (SKU #17553)

(5) Red (SKU #17554)

(8) Green (SKU #647054)

(3) Blue (SKU #17556 or SKU #647826)

(6) Yellow (SKU #17555)

(9) Pink (SKU #647055)

(4) Glow-in-the-Dark (SKU #647053)

(7) Orange (SKU #17557)

(10) Purple (SKU #647056)

NO modification or shaping of the wheel is allowed. (For instance: sanding, shaping, machining, milling, sawing wheels in half from the tread to tread, etc.) NO other materials of any kind can be added to or adhered to the wheels. The wheels may be painted provided the paint does not cover the contact/bearing areas of the wheel.

6. **Axles:** Only the stock axles that come with the Official BSA Pinewood Derby Kit No. 17006 shall be used. No "straight" one-piece design axles will be permitted.

7. **Body and Details:** The stock block of wood that comes with the Official BSA Pinewood Derby Kit No. 17006 as well as other similar kits shall be used. Details such as the steering wheel, driver, decals, painting, and exterior details are permissible as long as those details do not exceed the maximum length, width, and weight specifications.

8. **Bearings:** No bearings, washers, sleeves, or any other type of devices will be allowed on the cars.

9. **Springs:** The race car shall not be allowed to ride on any type or style of suspension including springs.

10. **Clearance:** The lowest part of the car body is to be no less than three-eighths inch from the racing surface. If the car body is not at this height, it will not clear the track.

11. **Lubrication:** Dry lubricants such as graphite are permitted but shall be placed on the car axles and/or wheel hubs prior to being registered and NOT afterward.

12. **Assembly:** All race cars are to be fully assembled BEFORE being registered.

13. **Weights:** Stock weights are recommended. Liquid or moving weights of any kind are not permitted.

14. **Attachments:** The car must be free-wheeling, with no starting devices.

15. **Inspection:** Each car must pass inspection by the official inspection committee before it will be allowed to compete. The inspectors have the right to disqualify any and all race cars that do not meet the rules and regulations of this race.

16. **Registration:** Scouts must register cars. No adult may solely register a car, i.e. Scouts must be present.

17. **Starting Pin Engagement:** The car must be able to be restrained by the starting pin prior to the start of the race. The starting pin is a dowel, extending up from the center of the track, to a height of 7/8 inches. No part of the car may extend forward from the back edge of the starting pin prior to race start.

18. **No Glitter:** Cars may not be decorated with glitter as it falls off and contaminates the surface of the track.