



2015-2016 MAWAT DISTRICT PINEWOOD DERBY RULES

1. It is required that the car be built using the materials in the BSA Official Grand Prix Pinewood Derby Kit. "Precut" car bodies are permitted, as long as the nails for axles and plastic wheels are Official BSA Pinewood Derby Wheels and Axles. Official Pinewood Derby Kits, and Official Pinewood Derby Wheel and Axles Kits (in assorted colors!) are available from the Scout Shop in Raleigh and from www.scoutstuff.org
2. Judging categories for the District Derby are: FASTEST CAR, MOST BEAUTIFUL CAR, and MOST ORIGINAL CAR. **Most BEAUTIFUL CAR will be judged on CRAFTSMANSHIP / WORKMANSHIP. Most ORIGINAL CAR will be judged on UNIQUE DESIGN.** An ORIGINAL car does not have to look like a car! It can be anything you can imagine!
3. **EACH ENTRANT may enter only ONE CATEGORY** in the District Pinewood Derby.
4. **Tigers:** Each Pack may enter 3 (three) Tigers in the FASTEST CAR Category. Each Pack may enter 8 (eight) Tigers in the MOST BEAUTIFUL category **AND** 8 (eight) Tigers in the MOST ORIGINAL Category.
5. **Wolf, Bear, and Webelos :** Each Pack may enter 3 (three) Cub Scouts, excluding Tigers, in the FASTEST CAR Category. Each Pack may enter 8 (eight) Cub Scouts, excluding Tigers, in the MOST BEAUTIFUL category **AND** 8 (eight) Cub Scouts, excluding Tigers, in the MOST ORIGINAL Category.
6. **Family Racers:** The Cubmaster of each pack may certify 2 (two) **Family Racers** to complete in the FASTEST CAR Category at the District Family Race. The Family Racers are not limited to leaders. Anyone affiliated with the Pack may race, for example: siblings, den chiefs, other Cub Scouts, Boy Scouts, Venture Crews, even parents.
7. **ALL CARS** must **MEET the measurement / specifications AND be able to roll freely** on the track to enter any of the stated categories, even though **MOST BEAUTIFUL and MOST ORIGINAL entries DO NOT RACE.**
8. **ALL RACERS MUST BE PRESENT TO RACE THEIR CAR.**



9. **Specifications:**

- a) The total length of the car shall not exceed 7 Inches. Many of the blocks of pine may be longer. Be sure and measure the length of your car.
- b) The overall width of cars (outside of wheel to outside of wheel, including axles and any protrusions on each side of the car) shall not exceed 3 inches.
- c) The minimum ground clearance for the car shall be 3/8 inches, (see No. 7 above-most tracks have a raised track guide which the car must clear in order to run).
- d) The weight of the car shall not exceed 5 ounces or 141.7 grams.
- e) Distance between front and rear wheels cannot be altered. The original slots for nails must be used.
- f) The nail heads for the axles must not be covered- no wheel covers!
- g) Maximum height of cars that race is 6 inches. Most beautiful and original cars may be taller.

10. **NO LOOSE MATERIALS** of any kind are permitted inside or on the car.

11. The car must be freewheeling with no starting devices.

12. Axels (the nails furnished with the BSA kits) may be polished and lubricated. Only dry lubricants, such as graphite, may be used.

13. Wheel bearings, washers, hubcaps, and bushings on axles or wheels are prohibited.

14. Excess plastic or mold marks on the wheel tread may be sanded smooth. Wheels may be turned to ensure roundness, but the **ORIGINAL TREAD WIDTH MUST REMAIN INTACT**. Alteration to tread width, such as rounding, or grooving is prohibited.

15. Cars shall not ride on any type of springs.

16. The car may be hollowed out and built up to the maximum weight by addition of wood or metal only, provided it meets the specifications set forth above (No. 8), and the weight is built into the body chassis.

17. Detailing, such as adding a steering wheel, driver, decals, and painting are permissible, as long as, these details do not exceed the above listed specifications (No.9).