

## 2. WEIGHT & APPEARANCE

- a. Weight shall not exceed 5 ounces (141.75 grams). The readings of the official race scale will be considered final. The car may be hollowed out and built up to the maximum weight by the addition of wood or metal only, provided it is built into the body and/or firmly affixed to it. Weights cannot be taped to the car. No loose or moving materials of any kind are permitted in or on the car.
- b. Mercury shall not be used for adding weight. It is a potential health hazard.
- c. Details such as steering wheel, driver, spoiler, decals, painting, interior details, etc., are permissible as long as these details do not cause the car to exceed the maximum length, width, and weight specifications.
- d. Cars with wet paint will not be accepted.

## 3. WHEELS & AXLES

- a. Only official Scout Grand Prix wheels and axles can be used. Axles may be polished. Wheels may be lightly sanded to remove the mold projections on the tread. This light sanding is the only wheel modification allowed. Beveling, tapering, sanding, wafering, rounding, lathe truing, etc., is prohibited.
- b. Wheel bearings, washers or bushings are prohibited.
- c. The car shall not ride on any type of springs.
- d. The car must be free-wheeling with no starting device or other propulsion.
- e. Distance between front and rear axles must be maintained at 4 ½ inch spacing.
- f. All four wheels must touch the track.

## 4. LUBRICATION

- a. Only dry lubricants, such as powdered graphite, may be used. Regular oils or silicone sprays may soften the plastic wheel or damage the track and are prohibited.
- b. Powdered graphite will be permitted only in the Pit Stop Area inside the mall.
- c. Cars may be lubricated in the Pit Stop Area before inspection. No further lubrication will be permitted.

## BOONE TRAILS DISTRICT

### *Pinewood Derby*

Saturday, February 7, 2009  
Child of God Lutheran School  
650 Salt Lick Road  
St. Peters, MO

Registration: 9:00 a.m. – 2:00 p.m.  
Racing: 10:00 a.m. – 2:45 p.m.  
Finals: 3:00 p.m.

Mark your calendars now!

Tiger Cubs, Cub Scouts, and Webelos are encouraged to participate in this big event.

**Adult volunteers** are needed to help.  
Sign up at Roundtable or e-mail Richard Evans: [richardevans043@centurytel.net](mailto:richardevans043@centurytel.net)



## RULES OF THE ROAD

1. The race is open to all Tiger Cubs, Cub Scouts, and Webelos Scouts, who's primary registration is with the Boone Trails District.
2. **Scouts must be present for registration of their cars, during the racing of their cars and final race.**
3. **Uniforms** will be the dress of the day.
4. Each Cub Scout is allowed to enter one (1) car per his years in the Cub Scout program with a maximum of five (5) cars. Cubs are allowed to re-enter their car only one time after elimination.
5. After the car has been assigned a number, no one will be allowed to alter the car until after it has been eliminated or until the final race has been completed.
6. Only race officials will be permitted into the racetrack area. **NO CUB SCOUTS ARE ALLOWED IN THE TRACK OR PIT AREA AT ANY TIME.**
7. Each Cub Scout will be given a participation certificate for each car entered.
8. The cars will be electrically timed.
9. Cars will be grouped in a **heat**. A heat is a group of 12 cars. Each car will run on all six lanes of the track and the cumulative time across the six lanes will be each cars official heat time. The car with the fastest cumulative heat time on the official timer shall be the winner of the heat.
10. Winners of each heat will advance to the Grand Final Race and compete for the trophies.
11. Once a scout places a car in the Grand Final Race, he will not be allowed to place any other cars in the Grand Final Race.

12. Trophies will be awarded for the first through sixth places of the Grand Final Race only.
13. A racing fee of \$2.00 per car per heat is required. Each car will race six times per heat.
14. Any parts coming off of a car and interfering with the race will cause the offending car to be disqualified.

## INSPECTION AND DISPUTES

1. Each car must pass inspection by the official inspection team before it may compete. The inspection team has the right to disqualify those cars that do not meet these rules. Car owners will be informed of the violations and given an opportunity to modify the car to meet these rules.
2. Any participant (including the parent of the participant) has the right to appeal the race committee for an interpretation of these rules. The race committee, by majority vote, will be the final judge of these rules. In case of a tied vote, the decision of the race committee chairperson will be final.
3. Ungentlemanly or unsportsmanlike conduct by any participant or member of the audience will be grounds for expulsion from the competition and/or the race area.

## CAR SPECIFICATIONS

1. **LENGTH, WIDTH & CLEARANCE**
  - a. Maximum overall width (including wheels and axles) shall not exceed 2  $\frac{3}{4}$  inches.
  - b. Minimum width between wheels shall be 1  $\frac{3}{4}$  inches so the car will fit over the center guide strip.
  - c. Minimum clearance between the bottom of the car and track shall be  $\frac{3}{8}$ " so the car will clear the center guide strip.
  - d. Maximum length shall not exceed 7  $\frac{1}{8}$ ".
  - e. **The wheelbase** (distance between the front and rear axles) **may not be changed.**