

Combined Districts Pinewood Derby

Covered Bridge District and Mountain Lake District

OFFICIAL RULES FOR THE COMBINED DISTRICT PINEWOOD DERBY 2003

LENGTH, WIDTH, & CLEARANCE

- A. Maximum overall width shall not exceed 2-3/4 inches.
- B. Minimum width between wheels shall be 1-3/4 inches, so car will clear the center guide strip.
- C. Minimum clearance between bottom of car and track shall be 3/8 inches, car must clear center guide strip.
- D. Maximum length shall not exceed 7 inches.
- E. The wheel-base (distance between front and rear axle's) may be altered.

WEIGHT & APPEARANCE:

- A. Weight shall not exceed 5 ounces (141.75 grams). **The reading of the official race scale will be considered final.** The car may be built up to the maximum by the addition of wood, metal, or plastic, provided it is securely built into the body or firmly affixed to it. No loose 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. Detail such as steering wheel, driver, spoiler, decals, painting and interior details are permissible as long as these details do not exceed the maximum length and width specifications.
- D. Cars with wet paint will not be accepted.
- E. Cars with items on the front of the car, designed to stick to the starting pin will not be accepted.
- F. No part of the car shall extend past the starting gate. Cars with slots or grooves that allow the car to extend beyond the pin will not be permitted to race.

WHEELS & AXEL'S:

- A. Only the Official Boy Scout Grand Prix wheels and axle's can be used. Wheels and axles can be modified, except as noted below.
- B. Wheel bearings, washers, or bushings are prohibited.

- C. The car shall not ride on any type of spring.
- D. The car must be freewheeling with no starting device or other propulsion.
- E. Lathe turned wheels will not be allowed.
- F. Wheels and axles may be sanded to remove the flashing only. No wafering or extensive tread rounding of the wheels will be allowed.
- G. Hub-caps will not be allowed.

LUBRICATION:

- A. Only dry powered lubricants, such as graphite or Teflon may be used. Oil and spray lubricants are not allowed. Lubrication is not permitted inside the mall. All lubrication must be done outside the mall or at home. No lubricants are allowed on outer wheel surfaces.

REPAIRS:

- A. All repairs must be made in the pit area.
- B. Cars must be re-weighed after making repairs.
- C. The cars may not be lubricated after it has gone through the tech inspection.

GROUND RULES:

- A. The race is open to all Cub Scouts and Webelo's Scouts registered in a pack. Cub Scouts must be in uniform to race.
- B. Cars must have been built during the current school year.
- C. The race will be a timed race conducted according to rank classification. Each car will race in every lane, the average time will be used to determine the cars overall score. In the event that the timer fails, we will use a point or double elimination system.
- D. If a car leaves it's lane and interferes with another car, the heat will be run again. If the same car leaves it's lane a second time and interferes with another car, the car will be disqualified.
- E. If a car suffers a mechanical problem, loses an axle, breaks a wheel, etc. and

a repair can be accomplished in a reasonable amount of time, the heat will be run again. If not, the car will be disqualified.

- F. If there is an electronic timer at the finish line, the decision will be final. If there is no electronic timer, or it malfunctions, there will be two race judges at the finish line. Both judges must agree on the winner or the heat will be re-run.
- G. Only race officials and Boys racing will be permitted into the track area. This rule will be strictly enforced.

INSPECTION & DISPUTES:

- A. Each car must pass inspection by the official inspection team before it may compete. The inspection team has the right to disqualify those cars which 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.
- B. Any participant (including the parent of the participant) has the right to appeal to the race committee for an interpretation of these rules.
- C. The race officials will supervise the qualification of all cars, adjudicate, and conduct the race. ALL DECISIONS BY THE RACE OFFICIALS ARE FINAL.
- D. Un-sportsman like conduct by any participant or member of the audience will be grounds for expulsion from the competition and/or the race area.
- E. First, second, and third place winners will be re-weighed after the race is over.