

Section 3 Ranger Derby & CO₂ Race

Hosted by Royal Rangers

The 2020 Section 3 Derby and CO₂ Drag race will be held on Saturday, March 7th at Calvary Temple in St. Peters, MO. Everyone may make and race a Ranger Derby car. Adults and students in the 6th grade and up can also build and compete in the CO₂ Drag races.

Registration is \$7 per car and starts at 8:00am and closes promptly at 9:00am. Arrive early to have time for last minute weight adjustments (5.5 oz) and to graphite your wheels!

Also, bring pocket money because concessions are available throughout the races.

The races and awards ceremony are scheduled to conclude at 12:30pm.

NOTE: Please review the attached rule sheet.

Derby:

- Top 3 finishers in each age class
- Best Paint Job
- Best Vehicle not a Car
- Best Theme Car
- Hottest Concept Car
- Best in Show
- Spirit Award
- Sportsmanship Award



Samson Class:
Samson Class Champion

CO₂ Race:
Top 3 finishers
Best in Show

DERBY RULES

Participation: Anyone from Northern Missouri District, Section 3.

Inspection: Cars will be inspected during registration for compliance to the specifications set forth below.

Impound: Cars will be impounded once registered. After being impounded, repairs will be limited to replacement of axles / wheels that are broken / lost during the race.

Specifications:

BODY: The body must be made from Pine wood. We recommend using either the Official Royal Ranger kit or the Official Cub Scouts of America Kit (available through Thro's in St. Charles). The body may be shaped, hollowed out, or built up from the original block, as long as it meets all other specifications. Any additions such as steering wheels, drivers, decals, paint, weights, etc., must be firmly attached.

WIDTH: The car width at the wheels (1-3/4 inches) may not be modified. It must be the same as the original kit. The overall vehicle width must not exceed 2-3/4 inches.

HEIGHT: Maximum height should not exceed 3 inches (some flexibility here, but tall cars have hit the finish line in the past)

LENGTH: Overall length may not exceed 7 inches.

WHEELBASE: Wheelbase may not be modified but can shift forwards or backwards.

WHEELS: Wheels and nail type axles must be as furnished in the official kit. NO washers, bushings, bearings or springs are allowed. Wheels may be sanded to remove the flashing only. No reductions in width or diameter, or changes in shape are allowed.

WEIGHT: The weight of the race-ready car must not exceed five and a half (5.5) ounces as measured by the official scales.

OTHER: Cars must free-wheel with no stored energy or movable weights. There is no designated front or back to the supplied body, either end may be the front.

EXCEPTIONS: Samson class vehicles must be capable of running on the track (see WIDTH and HEIGHT) and not interfere with other racers or endanger people or the track. Samson will have to keep his temper at bay at the Derby, but he never was very good at following the rules.

Awards: See the attached Flyer. For details, see award spreadsheet.

**** Jesus Christ encourages good sportsmanship ****

Cars will be disqualified if anyone displays an unsportsmanlike conduct at the race.

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