



RACER DERBY

Florida Royal Ambassador Racers Derby Rules and Instructions 2025 FBC Tallahassee Statewide Derby

Racing Specifications:

Use only the materials in a single kit (block of wood, 4 nails, and 4 wheels) plus decals, stick-on racing stripes, etc., if desired. Kits can be purchased from <https://www.royalracers.com/> No plastic parts other than the wheels, which come in the kit may be used. In designing the car, once a piece of wood has been removed from the block, it may not be reattached. The wheels and axels (nails) may not be altered by the use of a lathe. The appearance of them must be essentially the same as they come in the kit with only minor shaping to remove burrs to make them run smoothly.

1. **Width**--Overall width shall not exceed 2 3/4 inches. Minimum width between wheels must be 1 5/8 inches.
2. **Length**--Overall length shall not exceed 7 inches. (Be sure to check block of wood. Some are slightly longer.)
3. **Weight**--Weight shall not exceed 5 ounces. No loose materials of any kind are permitted in the car. The car may be hollowed out and built up to the maximum weight. The weight must be securely built into the body or chassis and out of sight from the top.
4. **Wheel bearings, washers, and bushings are prohibited.**
5. **Springing**--The car shall not ride on any type springs.
6. **Attachments**--The car must be free-wheeling with no starting devices.
7. **Lubricant**--Is permitted as long as only applied to the wheels and axles only. And must be added before the car is registered and inspected. If violated the car being lubricated will be disqualified and ineligible for further competition.
8. **Inspection**--Each car must pass inspection by the official Inspection Committee before it may compete. **The Inspectors have the right to disqualify those cars which do not meet these specifications.**

Race Procedures:

The race shall be conducted with a sensor to determine the winning car of each heat. The event will run in a double elimination format, with a winner's bracket and loser's bracket allowing each racer at least two opportunities to race. Once a car has lost two races it is finished. If a sensor fails during the race two judges will be assigned to call the winner of each heat, utilizing necessary technology to ensure accuracy. If the judges disagree on a winner the starter will swap the lanes and rerun the heat. If a second tie results the winner will be determined by a coin flip.

1. **The first car to trigger the sensor or pass the finish line if judges are needed will be declared the heat winner.**
2. **If a car leaves the track during the heat, the heat will be rerun. If the car leaves the track on the subsequent run it is disqualified.**
3. **Cars will compete in two divisions:**
 - a. **Lads: 1st - 3rd grade**
 - b. **Crusaders: 4th - 6th grade**

Any misunderstandings and complaints should be worked out in the spirit of Christian competition. This can be a means of teaching boys to settle their difficult problems with respect.