

Hub City Classic Car Show Soap Box Race Entry/Release

August 24, 2019

* Sponsored by RAAZ Roofing & Construction, LLC*

1. Gotta Go!!!

Each derby car must be gravity powered. No motors or engines.

2. Gotta Turn!!!

- a. Simple pivot steering is the most basic and common steering system. Basically, the front axle is a solid piece that rotates about a single pivot in the center. This system is the most simple to construct and is quite adequate since you will not need a big turning radius.
b. Four bar linkage is like a steering mechanism that you might find in your automobile. It is more complex and harder to construct and thus it is seldom recommended. The derby will be run on a straight course so that there will be little need for sharp turns.
c. All steering must function properly. If steering wheel is turned to the left, car must turn to the left and if steering wheel is turned to the right, car must turn to the right.

3. Gotta Stop!!!

- a. Skid pad on the wheels is a very basic, yet very effective braking method. In this method, you set up a pad or brake shoe that rubs against the wheels to stop the car. This is the most preferred method for cars made from scratch because of its effectiveness and simplicity.
b. A skid pad on the ground is similar to the first option, but instead of a pad contacting the wheels, it contacts the ground. This method is a little more complex to construct and probably less effective than the pad on the wheels method. However, this is the method that was first used in soapbox racers.
c. Caliper brakes on the wheels are like your basic bicycle brakes. This method works great although the construction needs to be fairly concise for the brakes to be effective.

Regardless of the braking system that you choose the most important thing is that the car must be able to stop. Good brakes will go a long way in preventing crashes.

4. Gotta be the right size!!!

Cars can be no longer than 72 inches long and no wider than 32 inches. There is no limitation on materials or designs. When using wood it is suggested that you use screws rather than nails and be sure to use plenty of wood glue. And the child MUST be able to fit properly in the car and operate the steering and brakes!

5. Gotta wear a Helmet!!!

Helmets are a must! Please do not alter helmets in any way that would change their effectiveness. Cars will not be allowed on the track unless the driver is wearing a helmet. Elbow pads are also strongly encouraged.

6. Gotta have all parts attached!!!

Car cannot have any loose parts or pieces that may fall off during race. Everything must be securely attached.

7. Gotta have Permission!!!

Each participant must have an entry form/release completed before the race. All participants must be between the ages of 5 and 18 years of age and must have a permission slip signed by their parent or guardian in order to race. The entry form/release must be turned in at the Chamber of Commerce booth on Saturday, August 24th in front of the library or drop it off prior to race day at the Limon Memorial Library. Entry forms/release must be signed and turned in BEFORE 12:00 pm on August 24th. Again, please note that entry forms/release must be signed in order to race.

Soap Box Race Entry/Release

Name: _____

Address: _____ Phone: _____

City: _____ State: _____ Zip: _____ Email: _____

* Please Circle One* Brought Own Car OR Borrowing Car

Race Class *Please Circle One*

Age 5 - 8 Age 9 - 12 Age 13 - 18

*Plaques will be awarded for 1st and 2nd place in each class.

*Grand Prize will be awarded to the overall winner that brought their own car.

*Winners will be photographed immediately following trophy presentation.

Liability: In consideration of the acceptance of the right to participate, entrants, vendors, participants, and spectators, by execution of this entry form expressly release Limon Chamber of Commerce, the Town of Limon and its officers, and anyone else connected with management or presentation of the 29th Annual Hub City Classic Car show of or from any and all known or unknown damages, injuries, losses, judgements, and/or claims from any causes whatsoever that may be suffered by any vendor to his person or property. Further, each entrant expressly agrees to indemnify all of the foregoing entities, firms, persons and bodies of any and all liability occasioned or resulting from the conduct of entrants, vendors, or any participant assisting or cooperating with the vendor and under the direction or control of the entrant.

I have read and agree to all conditions of the 29th Annual Hub City Classic Car Show and rules governing the event. A parent or legal guardian must sign release for participant to race.

Entrant Signature: _____ Date: _____

Parent/Guardian Signature: _____ Phone: _____