



Fête au Village Soapbox Fun Derby!

Some things you need to know

- Cars **MUST** attend the inspection prior to event. Date and times for inspections will be made upon confirmation of registration. Uninspected cars will not be allowed to race.
- Open design category for drivers 14 and up, including adults are welcome. These cars do not have to use the kits but must still adhere to all the other rules.
- Car and driver must not exceed a combined weight of 250lbs.
- To ensure cars fit safely onto our ramps, car dimensions cannot exceed the following:

Width 39” (100cm)

Length 60” (150cm)

- All racers must report to sign in at least 45 minutes before the scheduled start time.

Please take the time to read all rules and regulations.

Show Off Your Soapbox Car in the Parade!

Parade starts at 10:30am Saturday (July 29, 2023) morning – Staging begins at 9:30am at 5310 48 Ave, Legal. Each soapbox car must be accompanied by an adult for the duration of the parade.

Register at legalfete@outlook.com

Legal Soapbox Fun Derby Registration

All soapbox cars must be inspected prior to event – date/time of inspection confirmed by coordinator at registration of event. Each driver must have a registration form and a signed waiver. Both can be dropped off and kits can be purchased at the town office in Legal.

Driver's Name: _____

Age as of June 30, 2023: _____ Weight: _____

E-mail: _____ Phone: _____

Name of Adult Pit Crew Member: _____

Sponsored By: _____

If driver is under 18.....

I _____ give permission for my child to enter the Legal Soapbox Fun Derby.

Parent/Guardian Signature: _____ Date: _____

I DO NOT give permission for my child's picture to appear in local videos/newspapers.

Parent/Guardian Signature: _____ Date: _____

Car Sharing

I will be sharing a car with

Name	Age

Car Number

I have raced in the Derby before, or am using a car that has, and would like to use the same car number _____

Volunteer for the Derby!

On race day we need volunteers to help the event run smoothly.

_____ Yes, I can volunteer on race day! Timer (2), Registration (2), Weigh-in (1), Staging (2)

Volunteer Name _____ Contact E-mail and phone number _____

Registration Fee \$5 Paid Outstanding

Legal Soapbox Fun Derby Waiver

Friday, July 28, 2023

I HEREBY WAIVE MY RIGHT TO ALL CLAIMS OR ACTION AGAINST THE TOWN OF LEGAL AND ANY AFFILIATED DEPARTMENTS AND/OR EMPLOYEES, REPRESENTATIVES OR PARTICIPANTS IN THE FETE AU VILLAGE SOAPBOX FUN DERBY FOR ANY INJURY OR EXPENSE INCURRED BY _____ AND/OR THEIR PIT CREW DURING THE SOAPBOX DERBY.

(Print driver's name)

DRIVER'S NAME (PRINT): _____

ADDRESS: _____

PARENT OR GUARDIAN NAME/Or driver if 18 or over (PRINT):

PARENT OR GUARDIAN/Or driver if 18 or over SIGNATURE:

DATE: _____

Legal Soapbox Fun Derby Rules and Regulations

CORRECTION TO TIME OF INSPECTIONS PLEASE TAKE NOTE 1-3PM

All soapbox cars must be inspected prior to event.

**INSPECTION WILL BE HELD AT 1-3PM ON SATURDAY, JULY 22, 2023
AT THE LEGAL ARENA (4720-51ave, Legal)**

Introduction

There will be two categories to race under, 5–13-year-olds can compete with kit cars only, 14 and up can compete in the open design category. Outlined below are the rules, regulations and car specifications that must be adhered to by all participants.

Waiver

Everyone must have their insurance waiver signed and submitted prior to the start of the race!

Registration

Registration is on a first come basis. Space is limited, so don't delay. Boys and girls aged 5 to 13 as of June 30, 2023, are eligible for the kit car category. Each child will be placed in their respective age group. There are up to three categories to compete in that will be dependent on number and age of entries (Approximately ages 6-8, 9-11, 12-14). Those 14 and up (including adults) can compete in the open design category but must still complete registration, waiver and a pre-inspection.

Official Rules and Regulations

Cars

The main objective in any soap box race is safety. Mishaps do occur, of course; but it's your obligation to build a car which is safe to ride and presents minimal danger to the driver and spectator should an accident occur.

1. All parts in the "Go-Kit" must be used to assure equal chance by all racers competing in the kit car category. Materials in the open category are not limited as long as they are safe.
2. For kit cars, wheels must not be altered or exchanged. No changing of bearings, shaving of tires, covering of wheel hubs, or any alterations whatsoever is permitted, **except** lubrication and painting.
3. Gravity is the only form of motive power allowed.
4. Cars must run on four wheels; two fronts and two rears. All wheels must have contact with and touch the ground at all times when racing.
5. The kit cars must be constructed from **5/8" plywood**. Particle Board is not acceptable.
6. Feet must be in forward position when driver is in racing position.
7. **Brakes** must be one of the four designs provided in the kit for the kit cars. For all cars, brakes must be capable of stopping the car in a short straight line, with no damage to the road surface. Brakes must also either apply pressure evenly to both wheels and be placed in the middle underneath the car.
8. **Steering** must be by wheel; circular or similar design, square is acceptable, but not a T-bar.
9. Each car must have a **headrest** capable of restraining any sudden backward movement of the head and high enough to protect the driver's head while seated in the car in the unlikely event of a roll-over.
10. **The weight of the car including driver must not exceed 250lbs (113.4 kg).**
11. **Length** of the car cannot exceed **60 inches (150cm)**.
12. **Width** of the car cannot exceed **39 inches (100cm)**.
13. Care must be taken to keep the center of gravity as low as possible.
14. All soapbox cars must be inspected prior to event – date/time of inspection confirmed by coordinator at registration of event. **Cars must be mechanically complete by this time and will inspected for the items listed on the Check-In/Inspection Form. Painting and decorations can be finished after this initial safety inspection.**

Safety

15. A properly fitting **helmet** must be worn. Bicycle, motorcycle, football or hockey helmets are acceptable. Full face protection is preferred.
16. Drivers must wear shoes, pants, and shirts during competition
17. No sharp protruding objects or design elements may be attached to any side of the car. (At the discretion of Inspectors – Safety is first priority)

Tips

Weight

For the purpose of fairness, **car and driver** must not exceed a combined weight of 250lb. This being said, the heavier the car the faster it could go. Families using the same car for multiple drivers might want to think of a simple way to add weight for the younger driver while making sure the maximum weight is not exceeded for the older driver. Keep in mind the weight you add could become a projectile in the event of an accident.

Balancing

An important factor in soapbox racer design is the weight distribution. A well-balanced car will roll cleaner downhill and will be more stable in handling and braking. The more weight over a wheel, the more resistance it presents. For this reason alone, you will want to have even weight distribution over all four wheels. An unbalanced car tends to wander. In a car in which the weight is located towards the rear, the light frontend will react to the steering too quickly. This leads to erratic motion. Also, a light front end tends to bounce more when hitting bumps. If the front end is too heavy, the steering will be 'heavy' and the driver may over-steer.

Online Resources

For more tips and tricks of soapbox design visit the following sites:

<http://www.gokit.com/>

<https://www.redbull.com/gb-en/red-bull-racing-rob-marshall-soapbox-design-tips>

<https://www.youtube.com/watch?v=5i9VfUnloYA>

<http://georgejeffreyfoundation.com/assets/uploads/2017%20Builders%20Manual.pdf>

For additional information or questions please contact, Steve at

[**s_asselstine@outlook.com**](mailto:s_asselstine@outlook.com)

780-893-5371

Legal Soapbox Fun Derby

Check-In/Inspection Form

Driver Name: _____

Pit Crew Name: _____

Car Number

Inspection Night (Saturday, July 22, 2023 @Legal Arena)

		<input checked="" type="checkbox"/>	Notes
			Corrections required or items to be re-checked on race day
Go Kit Parts OK	All parts used and unmodified		
Wheels OK	From the kit, unaltered		
Weight OK	Max 250lb with driver, 113.4kg		Inspection Night Weight
Length OK	Not exceeding 60", 150cm		
Width OK	Not exceeding 39", 100cm		
Brake OK	Works effectively		
Driver Competence	Is the driver able to steer effectively and apply the brake		

Car Inspected By: _____

Approved

Inspector's Initials

Race Day – FRIDAY, JULY 28, 2023 at 8PM

(NOTE ARRIVE 45minutes before for sign-in & staging)

Driver Name: _____

Pit Crew Name: _____

Driver Safety Checks

<input checked="" type="checkbox"/>	
	Helmet
	Shirt
	Pants
	Shoes

Car Checks

<input checked="" type="checkbox"/>	If noted in need of fixing on inspection night
	Weight
	Brake

Car Inspected By: _____

Notes:

Approved

Inspector's Initials