

North Briarcliff Civic Association SOAPBOX DERBY & Picnic

Saturday July 30th 2022



Break Out Those Tool Bags Dads & Moms!



Registration & Picnic @1pm
Races start @ 2pm

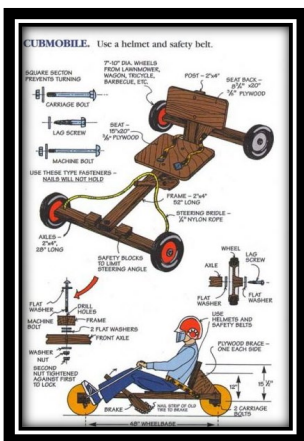
Kids Division: ages 8-15
Adult Division: age 16 & up

5 Simple Rules:

1. Gotta GO!
2. Gotta Turn!
3. Gotta Stop!
4. Gotta wear a helmet!
5. Gotta Have Permission!

How To Race:

- Fill out the attached form
- Email it to info@northbriarcliff.org
- Pay your entry fee via Venmo: @NBCA30345 –
- \$30 for 2022 NBCA Membership & Race Entry
- \$5 Race Entry for Members
- Be at Hawthorne ES exit drive @ 1pm on 5/14



How To Build:

(Links To Supply Lists & Instructions)

The Everyday Speed Racer:

<https://www.instructables.com/Soap-Box-Derby-Car-Overview/>

Fancy Pants:

<https://youtu.be/8QNhDJbgvbo>



ADVANCED REGISTRATION IS REQUIRED:

For more information, please visit our website: www.northbriarcliff.org,
call (404)290-4010, or email info@northbriarcliff.org



North Briarcliff Civic Association
 S O A P B O X D E R B Y
 & P i c n i c
 Saturday July 30th, 2022
 Registration: 1pm

ENTRY FORM

Name of Participant	Age
Parent Information (If Participant is a Minor):	Phone Number
Address:	
<p>Please check each box as you have reviewed the information.</p> <p><input type="checkbox"/> I have read and understand the rules and regulations of the derby and agree to comply.</p> <p><input type="checkbox"/> I will have a car with working steering and brakes.</p> <p><input type="checkbox"/> I agree to have good sportsmanship.</p>	

Advanced Registration is required for this event. Take a photo or scan this signed form and send it to info@northbriarcliff.org .

Pay your \$5 entry fee (if you are a member) OR \$30 (includes membership and entry) via Venmo @NBCA30345. Make sure to note participants name in the notes.

Waiver will be signed day of event.

Registration will take place Saturday May 14th at 1 pm

Registration will take place at the exit drive of Hawthorne Elementary School.

Please call 404.290.4010 or email info@northbriarcliff.org with any questions or concerns.

Kids division 8-15 years of age * Adult division: 16 & up

North Briarcliff Civic Association

S O A P B O X D E R B Y

Rules and Regulations

There are five basic requirements for derby cars and participants:

GOTTA GO!

- ◆ All cars must have 4 wheels. Each derby car must be gravity powered with no added weight. No motors or engines. There is no limitation on size, weight, materials or design. **MUST have four (4) wheels!** Cars are typically 4ft. To 6ft. Long and 2ft. To 3ft. wide and generally made of wood. When using wood it is suggested that you use screws rather than nails and be sure to use plenty of wood glue.

2. GOTTA TURN!

- ◆ 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.
- ◆ 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. Whatever method of steering you use, it is not wise to limit it to the range of your car. The derby will be run on a straight course so that there will be little need for sharp turns. Please do not design your car to turn on a dime, it is not safe and may cause your car to flip.

3. GOTTA STOP!

- ◆ Skid pad on the wheels is a very basic, yet very effective braking method. In this method, you setup 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.
- ◆ 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.
- ◆ Anchor or parachute could be used - *BUT, Just for FUN!* 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 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/rider is wearing a helmet. Elbow pads are also strongly encouraged. Decorating helmets is encouraged for fun!

5. GOTTA HAVE PERMISSION!

- ◆ Be sure to bring an adult with you if you are a minor. They will need to sign a permission slip before the race! All drivers under the age of 18 must have the permission slip signed by their parent to enter the derby.