

SOAP BOX DERBY 2017

JUNIOR & SENIOR DIVISION

General Rules: (Please note there were some changes last year)

1. Derby is open to all children ages 6 to 14 inclusive as of race day. Junior division is age 6-10, senior division is age 11-14.
2. All racers must be **registered and ready to race by 7:55 am** on race day, weather permitting. **Advance online registration is encouraged so we may be prepared for the numbers of cars and prizes, also to make sign-in more efficient.**
3. Soap box cars are to be made by the racer (home built), with assistance from a parent – not the other way around.
4. The 4 wheels **must not have bearings**, and are to measure between **5.5” and 10” in diameter** and be non-soap box specific with no weights attached.
(Please be prepared to have a wheel removed for inspection)

(New) Professional Z-Glass style Soap Box Derby wheels are **not permitted**.

Wheels must be of rubber or like compound to better grip the pavement.

(Wheels must also not be made of hard plastic (eg. Big Wheel tires) as they do not grip the pavement and are likely to allow the car to spin out of control).

5. Cars can have a maximum overall length of 54” (Junior division) or 66” (Senior division). Cars should be about 3 feet in width for stability.

Tips for a safe, stable car:

-Car height of about 28” (remember the higher the body the higher the centre of gravity is on the car). The general rule of thumb for body height is 18”-20” from the floor board to the top of the body.

-Width of overall car should be around 36” for stability with the body being around 18”-20” wide.

-Minimum ground clearance should be about 3”.

-Try not to leave too much car (front to back) hanging out over the wheels. The longer the wheel base the more stable the car will be.

6. Steering stops are recommended to avoid over steering (about 1 inch of travel back and forth).
7. Cars must be equipped with a functioning brake that can stop the car – hand or foot controlled. Car operator cannot use their own foot on the pavement to stop their car.

8. Cars should be constructed mainly of wood – use of steel is limited to mechanical controls only please.
9. **Helmet of some sort (bicycle, motocross, or hockey) that fastens securely under the chin is mandatory.** Racing gloves and fire suit optional.
10. **Each racer must have their own car – no exceptions.** For the safety of all the race format does not allow a car to be brought back up the hill mid-race, so it is not possible for another racer to use it, even if they are a different age category.
11. Racers will be assigned race numbers on the day of the race – any numbers already applied to car will be covered over and disregarded. Assigned race numbers will be affixed to the car on race day.
12. All cars will be checked for the above requirements before racing commences. **Please make sure the above requirements are met as we do not want to have to exclude any racer from participating.** CayugaFest Soap Box Derby race stewards have final say on all race issues.

CayugaFest
SOAP BOX DERBY 2017
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Race Format:

All racers must be checked in and ready to race by 7:55 am.

Each racer per division will be called to the starting line to race a minimum of 3 heats. Heats will be raced alternately. All juniors to race first heat followed by all seniors in first heat, then juniors' second heat, and seniors' second heat, and so on until all racers have completed 3 heats.

Racers will line up at the start of the track, as instructed, well before their race is to begin.

Each heat will be timed with the time for each car recorded. If the racer crashes or wipes out, the racer must push the car over the finish line under his/her own power to stop the clock. Failure to complete 3 heats will disqualify you from the final.

After each heat, the competing racers are to move their cars to the outside edge of the roadway at the end of the track, and stay with their car until the entire field has raced. When prompted by race officials, the racers will push their car back up the hill to the start position. **Racers cannot bring their cars up the hill anytime during racing.** Failure to comply will result in disqualification. Any repairs or modifications can be made at the end of the track if desired, or at the top of the hill while the other division is racing.

Upon completion of the 3 heats, all times will be tallied.

The third fastest accumulated time will be declared the third place winner.

The first and second fastest accumulated times over the 3 heats will race one final heat , the first car over the finish line declared the first place winner, and the other declared the second place winner. The driver with the fastest declared heat time will be offered lane preference for the final heat.

Prizes will be awarded to First place, Second place, and Third place in each division, as well as one Best Decorated for each division. Draw prizes will be drawn at random and can be awarded to any registered race participant.

Most important is that everyone has a great time.

Registration is online this year at:

<http://www.123contactform.com/form-2764083/Event-Registration-Form>

Driver check in and tech start at 7:00am and racing will start at 8:00am sharp. Best decorated prizes will be judged at 7:30am, and will be awarded after racing has completed.

If you have any questions about the soap box cars or race procedure please contact Ron Bousfield (905) 772-3538 or (905) 512-4704 or e-mail at cayugafestsoapboxderby@gmail.com

Please visit our Facebook page (Cayugafest Soap Box Derby) for further updates, information, pictures, and videos, and a link to the registration form.