**Tamworth Canada Day Soap Box Derby**

**RULES and CART SPECIFICATIONS**

1. All soap box derby cars are gravity race cars, with one person (driver) in the car, which has steering and a brake. No motor is permitted on any car.
2. **Drivers** A driver must race the same soap box car for all of their races. You may share a soap box car with one other driver, i.e. brother, sister, friend or parent, so they may enter and race in their own race category.
3. **No ‘pushers’**. The car must travel alone by gravity from the start ramp to the finish line.
4. **Categories** Participants must fall into one of the three age categories at time of race:

**A**. age 6 to 10 years old

**B**. age 11 to 15 years old

**C**. 16 years and over

1. Parents/guardians or spectators are not allowed between or on the starting ramps. A parent or guardian may help their child into the car.
2. **Call to Race** Drivers and cars must be ready when called to race.
3. **Lane** Drivers must stay in their lane and not cross over into the opponent’s lane.
4. Once the driver and car has made their run, they must vacate the stopping area and the track, in order that other racers may continue. Drivers must bring your car back to the top of the hill to the staging area, but stay off the race course.
5. **Helmets** Protective head gear with chin strap, must be worn by all drivers during each race. We strongly recommend motorcycle, ATV, or snowmobile helmets, or at least a hockey helmet or bicycle helmet. Mouth / teeth guards, elbow pads and knee pads are optional.
6. **Shoes** Drivers must wear **closed toe** foot wear, ie. running shoes or equivalent, ( i.e. No open flip flops, sandals or crocs), while racing their car, to avoid injury.
7. The race car may be a home design built car or a bought Soap Box ‘kit car’
8. No metal framed or metal skinned cars. No sharp points, corners or edges permitted on any cars. Exposed edges that may be contacted by the driver shall be smooth. Protective cushioning material may also be used for driver safety.
9. **Wheels** Your car must have **4 wheels** supporting the car down the course and each wheel must be affixed to the axle with a lock nut or a cotter pin, to keep the wheel in place on the axle. Wheels may not be greater than 18 inches in height and not less than 6 inches in total height. (Max wheel height is discretionary), providing the distance from road to bottom of cart is **10** inches max.
10. Cars must be a **minimum** of **5 feet long** (183 cm) or **maximum** **7 feet long** (213 cm), with each of both axles having a **maximum** **wheel width** of **3 feet wide** (92 cm). It is recommended that the axles be 32 to 36 inches long. The wheelbase between front and rear axles, cannot be less than **48 inches.** Minimize the front and rear overhang from axles,to prevent getting hung up on the starting ramps.
11. **Car Clearance** may not be any higher than **10** inches max from the road surface to the bottom of the car and not less than **6** inches.
12. **Steering** is limited to **1 ½ inch axle travel** in each direction, from center, to avoid over-steer or over correcting, that might cause a roll over or accident.
13. **Weight** No additional weight may be added or affixed to the cart
14. **Brake** The car must have a brake capable of slowing the car to a smooth, short and straight stop. It is recommended that a hand brake or foot brake be situated in the center of the car, not on either side, which may be operated either by hand or by the driver’s foot. If using a drag brake, the part touching the road can be made of wood or rubber, not metal.
15. **Car Inspection** will be inspected following registration, to ensure driver safety, public safety and the safety of the car, while driving the soap box car.
16. **Car Problems** If a car has mechanical problems, the car driver and the pit crew has up until the next race heat for that driver, to fix the problem and the car must be deemed safe to run, by an official, before that car may run again.
17. **Flag Person and Timers** The decision of the Flag Person and Timers, regarding who has won each particular race heat, is final and cannot be challenged.
18. **Waiver** The child’s parent or guardian (or cart driver 18 yrs or over) must sign the waiver form attached to the registration form, absolving the Township of Stone Mills, the Canada Day Committee, the Tamworth And District Lions Club and any of its members and any and all event volunteers, from any or all, actual or perceived injury and liability that the child or driver may incur while participating in the Tamworth Canada Day Soap Box Derby.