

4th Annual Neosho Fall Festival Soap Box Derby

Rules and Regulations!

Soap Box Car Requirements

- The car must have four wheels.
- Car must have ground clearance of not less than 3 inches.
- Car must be steer-able with a pivot, wagon-like or beam with kingpin, like a rider mower/go-cart. Steering of axle pivot cars will require footpads on the axle as well as cable or rope for steering.
- A steering system on homemade cars may use rider mower steering wheels, steering shafts and all gears and linkage.
- All seating must be in the feet-first position.
- Car must have mechanical brakes capable of stopping the car in less than 300 feet.
- Ground drag pads should not be less than 12 sq. inches and covered with a section of old tires tread for friction to road. Friction surfaces are also recommended for scrubber and band brakes for added friction.
- Wheels must have sleeve, ball, or roller bearings and have a weight rating of 60# or more per wheel, or have a total weight rating all 4 wheels combined that meets or exceeds the total race weight class. This applies to purchased or repurposed lawn mower wheels.
- Riding Lawn mower wheels may be used with Plastic sleeve bearing as they exceed this rating.
- Tires may be of semi-pneumatic (airless) rubber, solid rubber (airless), or pneumatic (aired) rubber.
- Rear axle may be solid full width, stub, or bolted. The axles must be securely fastened to pass inspection. Wheels may extend beyond rear of body.
- Materials used in construction of frame and body may be of wood, metal, plastic, fiberglass, paint, fabric, bolted, welded, glue, nails, and screws. The joints integrity and durability of the car will be inspected and subject to disqualification.
- Ruling by inspector stands but may be site corrected and re-inspected as with all safety items.
- Cars MUST have strong hooks on both ends to be towed as a train.
- Side rails of car not to be less than 4 inches from the top of the floor pan for the driver's side protection.
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Driver Safety Requirements:

1. Helmets of bicycle grade or better
2. Close-toed, soled, shoes or boots
3. Full-length pants or jeans
4. Knee/shin pads and elbow pads are suggested, though not required

No driver will be allowed to compete if suspected of drug or alcohol consumption