

CSAW's 2nd Annual Hardwood Derby Saturday October 28th 2017

Race Day:	10am Check in & Tech Inspection
Hardwood Derby	11am Racing Heats Begin
Cerritos College Woodworking Building	12am Lunch Break/Car show judging
11110 Alondra Blvd, Norwalk CA*	1pm Racing continues, Finals
	Awards to follow completion of racing

*If using map app on your phone, get directions to 11111 New Falcon Way, Norwalk. Park at the north end of Lot C10. The Woodworking building is northwest of the parking lot.

\$10 per entry before Oct. 24th

\$15 per entry after Oct. 25th

Contestants can compete in multiple competitions:

- **Gravity Race** – Top contestants in both categories will be awarded
 - Category 1 - "Stock" Car constructed with CSAW-supplied wheels and wooden axle pegs (1 $\frac{3}{4}$ " diameter x 5/8" wide wheel, 15/32 pegs). See detailed rules below.
 - Category 2 - "Modified" Car constructed with CSAW-supplied wheels (Metal, bearings, washers and plastic can be used on axle assembly). See detailed rules below.
- **Car Show** (not a race) "Best in Show" will be awarded
 - Constructed using all forms of woodworking.

Car Show Cars – Car must be constructed primarily of wood. Use of CSAW-supplied wheels is encouraged; if CSAW wheels are not used the wheels can be hand made by the contestant to the specifications provided. Wheel dimensions 1 $\frac{3}{4}$ " diameter x 5/8" wide. Handmade parts are encouraged.

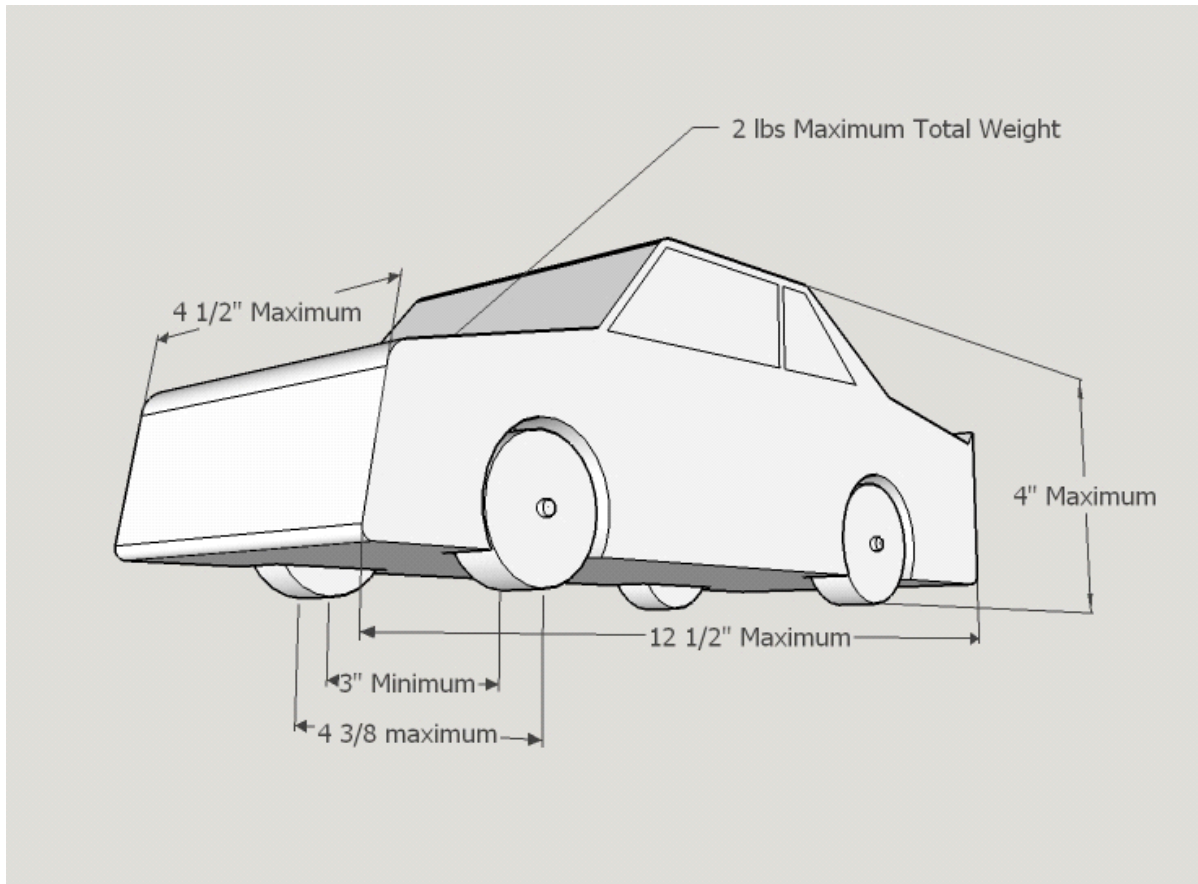
Paints, stains, and or clear coats can be used. No plastic or decals. Show cars have no weight limit.

Rules: All competitions and categories

- The maximum length of the car shall not exceed **12 $\frac{1}{2}$ inches**
- The maximum width of the car shall not exceed **4 $\frac{1}{2}$ inches**
- The maximum width of the wheels from right to left shall not exceed **4 $\frac{3}{8}$ inches** and the minimum width between the left and right wheels shall not be less than **3 inches**
- The maximum height of the car shall not exceed **4 inches**

Additional Gravity Race Rules

- The **minimum ground clearance shall be no less than 3/8 inch**. A 3/8-inch block, placed anywhere under the car, shall not contact any part of the car.
- The **maximum weight shall not exceed 2 lbs**. An official CSAW scale will be used to weigh all cars.
- All race cars **must use four (4) CSAW-supplied wheels**. All four wheels must sit **flat and touch** the pre-race inspection surface.
- Category 1 race cars must use CSAW-supplied wheels and axle pegs. Wheels can be trued, but the diameter of the wheel cannot be significantly reduced. All treads should be visible and continuous around the entire wheel. Removal of any material that effectively reduces the original overall width or weight of the wheel is prohibited. The bore of the wheel may be reamed, sanded, or polished. Additional items such as wheel bearings, washers, bushings, wheel and hub covers are prohibited in Category 1.
- Category 2 race cars must use CSAW-supplied wheels. Wheels can be trued and/or lightened, but the diameter of the wheel cannot be significantly reduced. All treads should be visible and continuous around the entire wheel. Removal of any material that effectively reduces the original overall width of the wheel is prohibited. The bore of the wheel may be reamed sanded or polished. The axle assembly **can use** washers, bearings, ceramics, metals, and/ or plastic.
- The car shall not ride on any type of springs and the car must be freewheeling with no starting device or other propulsion.
- Additional wheel(s) to ride the side of the track are prohibited.
- Axles must be inserted into the car body parallel to the track surface. Axles inserted or bent at a positive or negative angle, thus tilting the wheels so that they ride on the inner or outer edge, are prohibited. The entire wheel tread surface (all four) must sit flat against the track surface when the car is placed on the track.
- Use of wet lubricants such as oils, grease, silicone or anything that is “wet” or “damp” at check-in or during the race is **NOT** allowed.



Contest information, Latest rules updates and revisions:
<http://cms.cerritos.edu/woodworking/events.htm>

Contact: Hardwoodderby@gmail.com Ron 714-671-8045