

CSAW 4TH ANNUAL HARDWOOD DERBY - RULES

SUNDAY, OCTOBER 20TH

10:30 am - 01:30pm

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 3/4" x 5/8" wheel, 15/32 pegs) see detail rules below.
 - **Category 2: MODIFIED CAR** constructed with CSAW supplied Wheels (Metal, bearings, washers and plastic can be used on axle assembly) see detail rules below.
- **SHOW CAR** "Best in Show" will be awarded
 - This category is not a race.
 - Constructed using all forms of woodworking.
 - Use of CSAW-supplied wheels is encouraged; if CSAW wheels are not used the wheels can be handmade by the contestant to the specifications provided. Wheel dimension (1-3/4 x 5/8).
 - Handmade parts are encouraged.
 - Paints, stains and or clear coats can be used. No plastic and decals. Show cars have no weight limit.

Rules – **ALL** competitions and categories:

- The maximum length of the car shall not exceed **12 1/2"**.
- The maximum width of the car shall not exceed **4 1/2"**.
- The maximum width of the wheels from right to left shall not exceed **4 3/8"** and the minimum width between the left and right wheels shall not be less than **3"**.
- The maximum height of the car shall not exceed **4"**.

Additional Gravity Race Rules:

- The **minimum ground clearance shall be no less than 3/8"**. A 3/8" 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 4 CSAW-supplied wheels**. All **4 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 also 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 continuously 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. 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 devices or other propulsion.
- No use of additional wheel(s) to ride the side of the track.
- Axles must be inserted into the car body parallel to the track surface. Axles inserted 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 (all four) tread surface 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 or during the race are **NOT** allowed. Powdered Graphite is allowed.

For contest information, latest rules, updates, and revisions:

<http://www.cerritos.edu/woodworking/events.htm>

For questions, please contact CSAW at csaw.cerritos.college@gmail.com

