

SOAPBOX DERBY CAMPOREE

2013

RULES AND BUILDING DESIGN

1) ALL WHEELS ARE TO BE SOLID RUBBER WHEELS AND SOLID RIMS. SIZE 1 3/4" to 2" wide X 8" or 1 3/4" to 2" wide X 10". ALL WHEELS MAY HAVE BEARINGS AND A SOLID AXLE AND MUST BE DOUBLE NUTTED OR LOCKSEAL NUT OR COTTER PIN TO KEEP WHEELS ON.

2) CAR FRAME IS TO BE MADE OF 2X4 CONSTRUCTION WOOD. ALL CARS WILL HAVE A SEAT AND BACKREST SO A BOY CAN STEER COMFORTABLY WITH HIS FEET. SEATS MAY BE ADJUSTABLE. ALL CARS MUST HAVE A SEAT BELT INSTALLED WITH A LOCKING BUCKLE AND A FOOT REST IN FRONT FOR SAFTY. (LOOK AT PICTURE TO SEE SAFTY PLATE FOR FEET)

3) NO ADDITIONAL WEIGHTS CAN BE BUILT IN TO THE CAR BY USING HEAVIER LUMBER THAN MINIMUM 2X4'S AND PLYWOOD NEEDED TO CONSTRUCT THE RACER. WE WANT TO KEEP THE CARS AS EQUAL AS POSSIBLE. AND THE WEIGHT IS AN ADDED ON FACTOR.

4) STEERING IS TO BE DONE WITH THE FEET PLACED ON THE FRONT AXLE AND BY HOLDING A HAND ROPE FASTENED TO THE FRONT AXLE. NO STEERING WHEELS ARE ALLOWED.

5) CARS ARE TO BE EQUIPED WITH A HAND BRAKE OR FOOT BRAKE. IT'S RUBBING SURFACE FACED WITH RUBBER MATERIAL SUCH AS A STRIP OF OLD TIRE. THIS, WHEN DRAGED ON THE GROUND OR THE TIRE, WILL STOP THE CAR.

6) DURING THE RACE TWO 2X4 BLOCKS ARE TO BE FASTENED TO THE FRONT AXLE $\frac{1}{2}$ " FROM THE CENTER MAIN FRAME BOARD, THUS LIMITING THE TURNING RADIUS. THIS IS A VERY IMPORTANT SAFTY FEATURE TO PREVENT SPIN OUTS, OVER STEERING, CURB JUMPING, ETC. DURING THE ACTUAL RACE. ADJUSTMENTS WILL BE MADE DURING INSPECTION IF NEEDED.

7) CAR LENGTH MUST BE 6 FEET IN LENGTH FOR BOY SCOUT CAR AND 52" FOR CUB SCOUT CAR AND NO WILDER THAN 36" TO THE OUT SIDE OF THE WHEELS.

8) BOLTS ARE THE BEST TO HOLD THE FRAME TOGETHER, SCREWS ARE A SECOND CHOICE. YOU CAN USE TWO

METAL STRIPS $\frac{1}{4}$ " X $1\frac{1}{2}$ " MAXIMUM TO REINFORCE THE REAR AXLE OR WOOD TO THE MAIN FRAME.

9) EACH SCOUT WHILE PARTICIPATING IN A RACE, WILL WEAR PROTECTIVE HEAD GEAR (BIKE, FOOTBALL, BASEBALL, ETC ALL HELMETS MUST HAVE A CHIN STRAP), GLOVES AND SOLID SHOES OF SOME TYPE. NO SANDLES OR OPEN TYPE SHOES.

10) ALL SCOUTS WILL RACE ATLEAST ONCE. THE THREE FASTEST TIMES WILL RACE FOR 1ST, 2ND, AND 3RD PLACE AT THE END.

11) THERE WILL BE NO HORSE PLAY ALLOWED ON THE RACE TRACK. ALL CARS WILL BE PLACED IN A PIT AREA UNTIL THE CAR IS READY TO RACE.

12) THE PICTURE YOU SEE IS JUST A DEMO OF WHAT THE CAR SHOULD LOOK LIKE. YOU CAN MAKE SOME CHANGES. IN THE PICTURE IT SHOWS LAG BOLTS FOR AXLES, USE SOLID AXLE ONLY AND ALL WHEELS MUST BE 2" X 8" OR 2" X 10" SOLID TIRE ONLY. YOU CAN FIND PLANS IN YOUR BEAR BOOK OR GO ONLINE AND TYPE IN CUB MOBILE RACER.

13) ALL CARS WILL BE INSPECTED FOR SAFTY AND BUILDING MATERIALS BEFORE THEY CAN RACE.

14) THERE WILL BE JUDGING ON BEST LOOKING AND DESIGNED CARS.

CUBMOBILE. Use a helmet and safety belt.

