



SQUIRREL BOX DERBY — WHITE SQUIRREL FESTIVAL — BREVARD, NC  
**Saturday, May 28, 2016 (Rain date: Sunday, May 29)**

To keep safety our #1 priority, follow these guidelines as you design your Derby car for May 2016:

COMPONENTS	REQUIREMENTS	ADDL INFO
<b>BRAKES</b>	Brakes must affect <b>at least 2 of 4 wheels</b> touching the ground. <b>Strongly recommended:</b> include a backup/emergency brake system.	We <u>do not recommend</u> having two independent brake “pedals” for the primary system. The dominant hand/foot may cause the vehicle to start spinning and flip over.
<b>STEERING</b>	Steering must affect <b>2 of 4 wheels</b> touching the ground.	<u>Prevent over-steering</u> in your design, to avoid tipping over.
<b>DRIVER PROTECTION</b>	DOT-approved helmets and installed safety belts/restraints are <b>MANDATORY for ALL RIDERS.</b>	<b>Strongly recommended:</b> rollbar/cage or body designed higher than driver’s head in case of vehicle flipping over.
<b>DIMENSIONS/ WHEELBASE</b>	Overall footprint dimensions cannot exceed <b>32 square feet</b> . Wheelbase must be wider than height* of vehicle.	*Vehicle body only: does not include lightweight safety apparatus – roll bar, windscreen, etc.
<b>STARTING &amp; PROPULSION</b>	Propulsion by gravity only! Driver may have <b>NO CONTACT with ground or wheels</b> from inside the derby car.	<b>PROHIBITED:</b> Spring-loading, shifting, artificial starting devices, or anything that propels the car except gravity.
<b>PROTECTIVE CLOTHING</b>	Along with helmets, <b>ALL RIDERS</b> must wear gloves, long-sleeved shirt/jacket, long pants, and closed-toe shoes.	<b>YOUTH:</b> Wear elbow pads. Major road burn can be avoided with proper clothing.
<b>MAX WEIGHT (CAR &amp; DRIVER)</b>	Ages 8-11: Max <b>250 Pounds</b> Ages 12: Max <b>350 Pounds</b>	
<b>CONSTRUCTION/ TOWING</b>	Must be <b>hand-built</b> , and incorporate some <b>bodywork</b> . Must include at least one <b>TOWING HOOK</b> (eye screw) on front/rear for towing up Jailhouse Hill.	Don’t forget to compete for the <b>NUTTIEST or SQUIRRELIEST design</b> when you outfit your derby car!
<b>NO ALTERATIONS/ADDITIONS/DELETIONS CAN BE MADE TO THE VEHICLE ONCE IT PASSES INSPECTION (EXCEPTIONS FOR SAFETY MUST BE CLEARED WITH EMERGENCY SAFETY DIRECTOR &amp; HOB STAFF).</b> Standard derby kit cars will need modification to meet our safety standards. We encourage you to create your own design.		

**ALL DRIVERS and VEHICLES WILL BE INSPECTED and must complete a TRIAL RUN including safe & effective use of BRAKING SYSTEMS before competing.**

- Additional trial runs may occur based on time available.
- Build Squirrel Box Derby cars SAFE first, FAST second.

Pre-registration is **REQUIRED**.

Contact Heart of Brevard: 828-884-3278, [www.brevardnc.org](http://www.brevardnc.org)