



Pack 89 ***Pinewood Derby***

Saturday, January 28, 2012

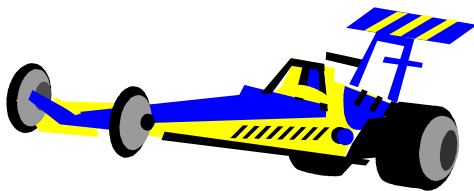
1st United Methodist Church; 128 North Roberts Rd; Cedar Hill.

EVENT HIGHLIGHTS

Eligible Scouts will compete for Speed and Design Awards

"Too Fast Too Furious" competition for non-scouts (\$5.00 Registration)

Food & Drinks will be Available for Purchase (Proceeds Go Directly to Pack 89)



SCHEDULE

Registration: 4:00 pm 4:30 pm

Scout Racing: 5:00 pm 6:30 pm





PACK 89 PINEWOOD DERBY



Racing Rules

1. **BUILDING MATERIALS**—the wheels, axles & block of wood must come from the official BSA kit.
 - a. **Only official BSA wheels and nail axles are allowed.**
 - b. Only the official BSA derby wood block provided in the BSA kit can be used.
 - c. The car shall not ride on any type of springs.
 - d. The car must be free-wheeling with no starting device or other propulsion.
 - e. Wheel bearings, washers or bushings are prohibited. Wayfaring or reshaping of the wheels is not permitted.
2. **LENGTH, WIDTH AND CLEARANCE**
 - a. The maximum overall width (including wheels and axles) shall not exceed 2-3/4".
 - b. The minimum width between wheels shall be 1-3/4" so that the car will clear the center guide strip.
 - c. The minimum clearance between the bottom of the car and the track will be 3/8" so that the car will clear the center guide strip.
 - d. Maximum length shall not exceed 7".
 - e. The wheel base (distance between the front and rear axles) may not be altered from the original slots cut in the official kit.
3. **WEIGHT AND APPEARANCE**
 - a. Maximum weight shall not exceed **FIVE (5) ounces (142 grams)**. The readings of the official race scale shall be final. Cars may be hollowed out and built up to the maximum weight by addition of wood and/or metal provided it is securely built into the body
 - b. Details such as steering wheel, driver, spoiler, decals, etc are permissible as long as these details do not exceed the maximum length, width or height specifications.
4. **LUBRICATION**
 - a. Only dry powder lubricants, such as graphite, may be used. Regular oils and silicone may soften the plastic wheels and could ruin track.
 - b. Cars may be lubricated prior to registration only.
5. **GROUND RULES FOR RACING**
 - a. The Pack 89 race is open to all registered Cub and Webelos scouts.
 - b. **Cars must be made for the 2012 race.** Cars from previous years are not allowed (except for Fast & Furious). The point of the derby is not the race, but the process of building the car.
 - c. If a car suffers a mechanical problem: loses an axle, breaks a wheel, etc. and a repair can be accomplished in a reasonable amount of time, the heat will run again. If not, that car will automatically lose the heat.
 - d. The races will be judged using an electronic lane timer. The electronic lane timer will decide the official winner. In the event of a failure or obvious error by the lane timer, the judges may over-rule the timer.