

Lizella Baptist Church



NAME _____ CAR # _____

Construction of Cars

1. **Cars raced in previous years are not eligible. All participating cars must be built specifically for the April 29th race, from a kit purchased from the church.** Use only the wood block or pre-cut car, wheels and axles furnished in the kit. The instructions that come in the kit are meant as a guide only. There are no limits to design or shape as long as size and weight requirements are not exceeded.
2. Any means can be used to shape the car including whittling, sawing, carving or sanding.
3. **Clubbers** are to build the car with the *help* of a parent, grandparent, older sibling, guardian or adult. **Clubber should be an active participant in construction of car.**
4. Axles must be mounted straight, and wheels must be aligned properly. Axles do not have to be mounted in the slots provided. Wheels can be cambered (angled to be closer together at the bottom than at the top) or inserted at any location or angle. If the slots are used, tap the axles in gently with a hammer. Use a drop of glue to secure them in place. The chassis should not be lower than $\frac{3}{4}$ of an inch from the ground to avoid scraping on the lane strips. Rough edges (**only**) can be sanded off the wheels. **WHEELS ARE NOT TO BE MODIFIED. THEY MUST RETAIN THEIR ORIGINAL WIDTH AND HEIGHT.** Wheel bearings, bushings, washers and springs are prohibited.
5. The maximum allowable weight is 5 ounces. There is no minimum weight. If cars are lighter than clubbers wish, they can add weight by drilling a hole or holes on the underside and filling with melted lead or other weights. Make sure additional weights are secure.
6. The maximum length is 7 inches. The maximum width is 2 $\frac{3}{4}$ inches. The maximum height is 4 inches. At the start of the race, the entire car must stage behind the starting pin. No part of the car should extend over the top of the starting pin.
7. Any liquid lubricant or powdered graphite may be used on the axles. Wipe off excess lubricant to keep the track clean and dry.
8. Sand and paint car, then apply a sealer. Additional luster can be added by waxing. Numbers can be added with paint or decals. **The identifying number** (the one your child chose appears at the top of this page) **should appear somewhere on each car**, but it can be written on the underside.
9. Clubbers can add additional decals, steering wheels, drivers, windshields, trim or anything else as long as the car does not exceed size and weight requirements. Starting devices are prohibited – cars must be freewheeling.

Race Day Rules

1. Cars will be checked again for size and weight as clubbers arrive. Time will permit only minor adjustments at this point.
2. Once cars are checked in and placed on the pit table, Clubbers or parents may not touch them, except when the clubber returns the car to the starter after a race. **No lubricant may be added or adjustments made after car is placed on the pit table.** (The only exception is if a car loses a wheel during the race – the wheel may be replaced.)
3. **Cars not meeting requirements are disqualified and will not be allowed to race. Disqualified cars are also not eligible for a design award.**

