

How to Build a Cubmobile/ Cubmobile Guidelines:

1. Wheels must not exceed 10 inches in diameter.
2. All wheels may only be equipped with solid rubber tires.
3. Car frame is made from 2 by 4 inch construction lumber.
4. The overall length of the car is a maximum of 60 inches; with the wheel base being a maximum of 48 inches.
5. Use roundhead 1/4 inch bolts to hold frame. Screws are a second choice. **Nails are not suitable, because they may work loose.**
6. All cars must have a seat with braced backrest, so the Scout can comfortably steer with his feet, a board may be attached to keep the feet from falling during the ride.
7. Steering is done with the feet, which are placed on the front axle (non solid metal) and by the hands holding a rope fastened to the front axle.
8. Cars must be equipped the an adequate safety belt securely fastened to the main frame of the car.
9. Cars **must be equipped with a handbrake** with its rubbing surface faced with a rubber material such as a strip of an old tire. This will stop the car when dragged on the ground.
10. During the race, the 2 by 4 inch blocks fastened 1/4 to 1/2 inch from the centerboard will limit the turning radius **(very important to test before race)!!!**
11. No extra weights may be placed on the Cubmobile.
12. For the Scout's safety, long pants and/or knee pads, long sleeved shirt and/or elbow pads, shoes that completely cover the foot and a helmet with face shield must be worn by all racers.

CUBMOBILE. Use a helmet and safety belt.

