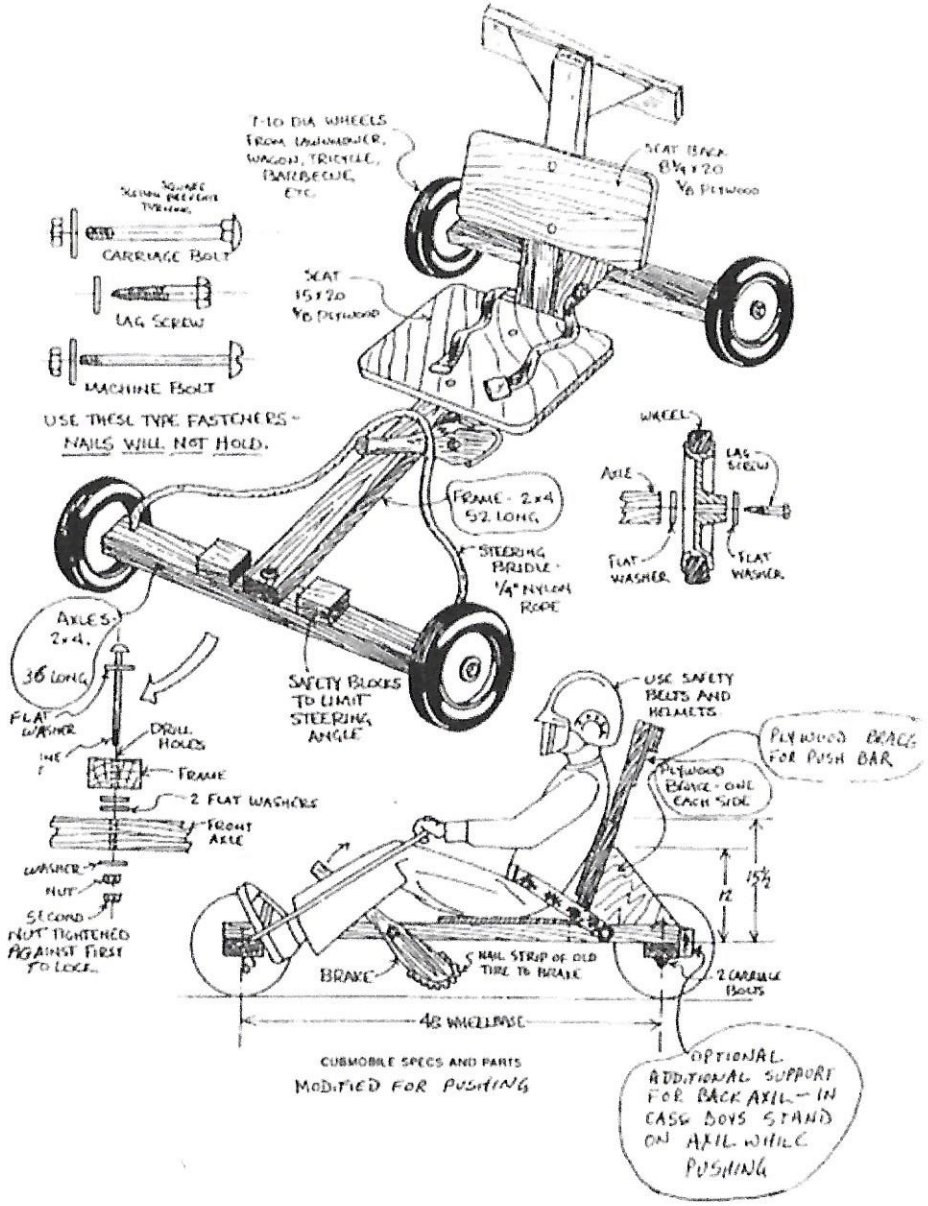
Cub Scout Pushmobile Construction Rules

1. Each team must have one pushmobile.
2. All cars must pass a safety inspection. If the car does not pass the members of the team will be notified of the reason the car failed. The team can then fix the problem and be inspected again to qualify for the race.
3. Pushmobiles are to be built by the team with adult supervision (supervision is overseeing the work for safety.)
4. Wheels must have a total outside diameter no less than 5 inches and no greater than 16 inches.
5. Wheels must include a plastic or solid rubber tire. No inflatable tires are permitted.
6. The cars wheelbase will be measured from axel to axel and must be at a minimum of 30 inches.
7. Nails will not be permitted for axels. Axels must be screws, bolts, or shafts, which will be inspected for safety prior to the race.
8. Total length of the car is not to exceed 84 inches.
9. Total width of the car must be at least 20 inches and not exceed 40 inches.
10. All cars must have at least 1-1/2 inches of clearance. (You can use a 2x4 to check this.)
11. Car chassis and bodies must be constructed of wood. Metal fasteners are permitted.
12. All cars must include a hand brake lever with a rubber skid pad.
13. All cars must include a seat belt to secure the pilot with a locking mechanism.
14. All cars must have a seat with a secure back for the pilot to sit in while steering the car.
15. All cars must include a secure push bar made of wood.
16. Cars must be boy powered. No motors or other devices for power will be permitted.
17. All cars must have four wheels, two in the front and two in the back.
18. Cars must have front wheel steering.
19. Pilots must be able to steer the car using their feet on the front axel, a rope attached to the front axel, or steering wheel.
20. All pilots must wear a helmet during the race. The team members shall provide helmets for themselves.
21. All team members must wear appropriate shoes during the race. No sandals, flip-flops of other shoes, which the judges deem unsafe, will be permitted. Running shoes, knee and elbow pads are suggested.