

## ***INDIAN GUIDE PINE CAR DERBY RULES-2003***

The following specifications are designed to provide an even playing field for all contestants. All cars will be checked and inspected against the specifications listed below. There will be ***no exceptions*** to the specifications. These rules have priority over any rules/directions provided in the official pinewood derby kits.

- 1) Only the official kit may be used other than decorations and added lubrication. **NO OTHER MATERIAL MAY BE USED THAN WHAT IS IN THE KIT.**
- 2) The wheels and axles that are in the kit are the ones you will be racing with. Your wheels and axles ***will not be altered*** other than de-burring of the tires and polishing of the axles. Make sure you construct your car accordingly.
- 3) You may use any type of lubrication such as powdered graphite, oil, silicone, or grease as long as the car is not dripping lubrication at the time of the race.
- 4) Braves ***should do as much as possible*** when constructing ***THEIR*** cars. Please do not take cars to the wind tunnels at Ford, GM, or Chrysler. Dads are to make sure that the cars meet the specifications for weight and dimensions, and assist with the cut out and assembly as required.
- 5) Physical Dimensions:
  - a. MAXIMUM Width 2.75"
  - b. MAXIMUM Length 7"
  - c. MAXIMUM Height 2.25"
  - d. MINIMUM Under-clearance 0.375" (3/8")
  - e. Track (between wheels) distance 1.75"
  - f. WEIGHT 5.000000 ounces (see below)
  - g. WHEELBASE (distance between saw cuts) 4 3/16" (furnished pre-cut on blank from kit).
- 6) The weight of your car must ***NOT EXCEED*** 5.0 ounces. Minor adjustments may be made at check-in. We ask that the car be complete and the weight checked before arriving at the race so that the check-in time is minimized.
- 7) Wheel hardware such as bearings, washers, and bushings are not allowed. Remember to use only the materials provided in the kit.
- 8) No springs or suspension systems.
- 9) Other decorations added to the car such as steering wheels, driver figures etc. may be used as long as they do not exceed the physical dimensions (see #5) of the car. **Be creative!**
- 10) The car shall be free wheeling gravity powered ***without*** the aid of starting devices, propulsion systems, magnets, nuclear devices, small rodents, rubber bands, rockets firecrackers, etc.
- 11) Please remember that we are guests of the Wonderland Mall. ***You*** are responsible for picking up your trash. Let's all be on our best behavior. Our continued use of the Mall depends on your cooperation!

**PRIOR TO RACING:** Each car must be registered at the weigh-in station. This inspection will include weigh-in and technical inspection. Cars will be assigned a number. The cars will be impounded at that time and contestants will not be allowed to alter or touch their cars after the number assignment.

**RACE FORMAT:** Races will be conducted to first determine the winner of each tribe and then the winners of each tribe will race for overall positions. Each car will race against one opponent 3 times and the best two out of three heats will determine the winner. The winners will race others in the same manner. The loser will continue to race until another loss is incurred and will not race after that.