

# Pinewood Derby 2010



- All cars must be constructed from new kits purchased from the Lake Prairie Federation.  
**THESE ARE THE ONLY AUTHORIZED KITS. Cars constructed from other non-authorized kits will be disqualified from the race. PLEASE DO NOT USE non authorized kits from Hobby Lobby, Ace Hardware etc. as we do not want to disappoint a guide on the event day.**
- Finished features **must not exceed:**  
Width: 2 7/8" Height: 3"  
Length: 7" Weight: 6 ounces  
Clearance under car: 3/8"  
NOTE: Cars are guided in track lanes by lane strips.  
It is **critical that the chassis clearance of 3/8" is maintained to clear the lane strips.**
- Axle spacing and width (wheel base and tread) may not be altered from positions as supplied in kits.
- Wheel bearings, washers and/or bushings are not permitted to be added to the kit supplied **wheels and axles.**
- Application of lubrication is permitted before registration only and **OUTSIDE** the building .  
**Once cars have been officially entered, handling of cars by participants is not permitted.**
- Wheels may be sanded, but only to the extent of removing burrs and ridges left from the molding process.  
**Only kit supplied wheels and axles are acceptable.**
- Decorations such as chrome, plastic, decals, etc. may be added for appearance as long as size limits stated in #2 are not exceeded.
- Cars not adhering to above rules will be **disqualified**. *ASSEMBLY INSTRUCTIONS*  
The Federation Authorized Car Kit contains the following:
  - 1 - wooden block for body of car
  - 2 - axles
  - 4 - wheels
  - 4 - clips for retaining wheelsSaw, carve and file the wooden block to create desired body shape. Sand with fine sandpaper (150-200 grit), seal wood and apply several light coats of paint for a smooth, shiny finish.  
**Caution: Do not paint axle grooves.**  
Polish axles to make a smooth contact surface for the wheels. Turning the axles with an electric drill and sanding with 400 or 600 grit sandpaper is one method to polish the axles.  
Center and glue the **axles** in place on the car body. Two part epoxy sets slowly enough to make adjustments. Make sure all 4 wheels touch evenly by placing the car on a hard, flat surface. The car should not rock back and forth. All wheels should turn freely.  
**Caution: Do not let glue spread to wheel ends of axle.**  
**To increase the weight of the car, drill holes in the bottom of the car and add lead weight. Do not exceed the 6 ounce limit for total weight of the car**

