

Pack 135/ Troop 135 - St. Veronica Church

2020 Open Pinewood Derby

Check-in, Vehicle Specifications & Race Night



Dates/Times

- **Check-in** – Saturday, January 11, 2020, 10:00 AM – 1:00 PM, St. Veronica cafeteria
- **Race** – Saturday, January 11, 2020, 6:00 PM – 8:00 PM, St. Veronica cafeteria

Refreshments

- Please bring an appetizer to share
- Bring your own beverage
- Water and lemonade will be provided

Welcome to the Open Derby!

Primary Differences from the Cub Scouts' Pinewood Derby:

- **Anyone** can enter the Open Derby. The more the merrier. Tell your friends!!
 - Cub Scouts who participate in the Open must register a vehicle(s) separate to the one they enter for the official BSA Pinewood Derby on Sunday 1/12/20.
- Maximum weight is increased to 7 ounces
- Performance wheels and axles are allowed
- Suspensions are allowed
- Starting devices are allowed
- Powered vehicles are allowed
- Two Divisions – Powered and Non-Powered
- If it is determined by the Pack / Troop committee that ANY car will damage the track or be otherwise detrimental to Saint Veronica IT WILL BE DISQUALIFIED

Official Cub Scout Pinewood Derby Car Kit Car kit can be obtained from the Scout shop in Evendale, online at /www.scoutshop.org OR a car kit can be obtained from the or Cubmaster for \$5.00/each.

Of course, 3rd party car kits are allowed as long they do not exceed the maximum car specifications

Vehicle Check-in

If you are unable to make the check-in time, please contact the Pack 135 Cubmaster to setup an alternate check-in:

Jason Schuster
Cubmaster Pack 135
schustjn@gmail.com
513-313-3491

Inspection

- Each car must pass inspection by the Pack inspection team before it may compete.
- All cars will be inspected and kept until race time.
- If adjustments or fixes need to be made at the check-in the following supplies available: (*Please bring your own supplies from home if you prefer*)
 - Simple weights (washers, scrap metal)
 - Hand tools, electric drills, Dremel, hot glue
 - Graphite dry lubricant
 - Extra car kits \$5/each

Vehicle Specifications

Dimensions – *Total* dimensions. Includes fenders, decorations, weights, etc.

- Maximum weight – 7 oz. (< 7.05 oz. on the Pack 135 digital scale)
- Maximum width – 2 ¾"
- Maximum length – 7"
- Maximum height – 5"
- Width between wheels – 1 ¾"
- Minimum clearance - ⅜" (between track and the bottom side of the car)
 - **The wheels are the only part of the car allowed to touch the track.*
 - **Be mindful of the clearance if you place weights underneath your car.*

Body

- Details, decals and decorations are almost all permissible as long as these do not exceed the maximum car dimensions previously stated, and do not impede the car's ability to race, interfere with other cars or damage the track.
 - No loose materials of any kind are allowed on the car
- All cars must have a flat section in the front so that nothing protrudes beyond the starting gate.
 - Extremely pointed or notched front-end designs may not work properly with our starting gate.
- Weights (steel, iron, lead bars, pellets, shot, nails, plates, melted lead, washers, coins, etc.) are approved for getting your car up to weight. Weights may be recessed, inserted, or attached to any part of the car as long they do not exceed the maximum car dimensions previously stated, and do not impede the car's ability to race, interfere with other cars or damage the track.

Wheels and axles

- Only dry lubricant is permitted.

Powered Vehicles

- Many forms of non-combustion propulsion are allowed. Battery powered electric motors are dominant. Keep in mind:
 - No flames, liquid fuel, drips, smoke, sparks, etc.
 - Neither you nor the “runners” may trigger the propulsion manually (ex, puncture a CO2 cartridge with a nail). Propulsion must be triggered autonomously, by a lever, switch, gate or other responsive means, when the starting gate drops.
- Keep it reasonable. Protecting the track and the safety of attendees are most important.

Official Checklist

This is the checklist that will be used at check-in to verify the car conforms to the above rules.

Open Driver Information:	
Class	Non-powered Powered
Name	
Main Car Color	
Assigned Car #	
Car Checklist:	
	Maximum weight – 7 oz.
	Maximum width – 2 ¾”
	Maximum length – 7”
	Maximum height – 5”
	Width between the wheels – ~1 ¾”
	Minimum clearance - ⅜”
	Wheels
	Axles
	Dry lubricant only
	Suspension
	Free wheeling (non-powered only)
	Flat front

Car Specification Questions?

- Please contact the Pack 135 Cubmaster with any questions about the specifications.
- Please ask the Cubmaster before taking any action that could be contrary to the rules, result in damage to the track or cause personal injury.
- The decisions of the Cubmaster and Pack Committee are final.

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