

Girl Scout Powderpuff Derby

Official Rules and Regulations

O-Ten-Talla

Race Day - Saturday, January 28, 2017 @ 1:00 pm*

Registration/Inspection – Friday, January 27 @ 6:00-8:00pm

All Derby Race Cars Must Be Built During Current Derby Year and Must Be Constructed Using the Official Pinewood Derby Kit Provided

By the Service Unit.

Current Derby Year is August 2016 – Race Day 2017.

Cars that competed in previous Derby Races are NOT permitted

1. Car Dimensions

- a) The maximum overall width (including wheels and axles) shall not exceed 2-3/4 inches.
- b) The minimum width between the inside of the wheels shall be 1-3/4 inches so the car will clear the center guide strip on the track.
- c) The minimum clearance between the bottom of the car and the track surface shall be 3/8 inch so the car will clear the center guide strip on the track.
- d) The maximum overall length (including wheels) shall not exceed 7 inches.
- e) The wheels should not extend out past the ends of the car (for protection from impact damage).
- f) When determining the height of elements on the car, keep in mind that the car has to go under a bridge at the finish line and excess height could result in the car hitting the bridge and/or the starting gate lever on the right side of the track at the start line.

2. Car Weight

- a) The total weight of the car shall not exceed 5.00 ounces.
- b) The reading of the official scale will be considered final.
- c) The car may be hollowed out and built up to the maximum weight by the addition of wood or metal, provided the material is securely built into the body or firmly affixed to it.
- d) No liquids or loose materials of any kind are permitted in or on the car.

3. Car Shape and Appearance

- a) Add on details such as steering wheel, driver, spoiler, scoop, exhaust pipes, etc., are permissible as long as these details do not exceed the maximum length, width, or weight specifications.
- b) You may cut, carve, shape or otherwise alter your pinewood derby block including attaching other pieces or wood or metal. **Pre-cut or pre-shaped car kits are NOT allowed.** Absolutely no other axles or wheels are allowed, except the ones that came with the Official Scout Grand Prix Pinewood Derby Kit (#P1622).
- c) Decals are allowed, but do not use the numbers that came with your kit. The official race number stickers will be applied at Registration/Inspection.

- d) No pointed noses are allowed, as they will not match up properly with the dowel pins at the starting gate.
- e) The nose of the car must be shaped such that no part of the car extends out past the dowel pin when at the starting gate. This means it cannot have a concave shape such as a V or a U, where the dowel pin would sit inside the cavity, and allow part of the car to sit out beyond it.

4. Wheels and Axles

- a) The axles and wheels used shall be only those provided in the Official Scout Grand Prix Pinewood Derby Kit (#P1622).
- b) Wheels may be lightly sanded to smooth out molding imperfections on the tread area. This light sanding is the only modification allowed. The wheel profile may not be altered in anyway. Beveling, tapering, thin sanding, or wafering of the wheels is strictly prohibited.
- c) No painting or decals on the wheels.
- d) The axles may not be altered in any way except for polishing.
- e) Wheel bearings, washers, bushings, and hubcaps are prohibited.
- f) The car shall not ride on any type of suspension or springs.
- g) The car must be freewheeling, with no starting device or other type of propulsion.
- h) No sliding weights or any other movable parts are allowed. The only moving parts on the car should be the spinning of the wheels.
- i) Your car must have 4 wheels, however, not all wheels are required to touch the track.

5. Lubrication

- a) All liquid, gel, or spray lubricants are prohibited.
- b) Only DRY powdered lubricants such as or graphite may be used for lubricating the interface between the axels and wheels only. The lubrication must already be on the wheels when the car is checked in at the official weigh-in, as there will be no other opportunity to lubricate the car prior to the race.
- c) In order to protect the floors within the Crest Center (where we are guests), application of any lubricant is prohibited on the premises. Apply these at home before you arrive!

6. Inspections and Registration

- a) Each car must pass a technical inspection before it may compete. This will occur during the official car registration, and will include vehicle weight check, vehicle dimension check, and wheel lubrication inspection. Each Scout will register with his own car. **NOTE: The inspectors have the right to disqualify those cars that do not meet specifications, or violate these rules and regulations in any way.**
- b) If a car fails any part of the inspection, the Scout and his partner will be given the opportunity to make adjustments to the car. Race officials will re-inspect the car after adjustments until the car passes inspection.
- c) Once a car passes the inspection and weigh-in, it will be impounded along with all the others until the race is completed. Only designated race officials will be permitted in the impound area prior to the race. Any scout or partner who violates this policy will risk disqualification.

7. Ground Rules and Competition

- a) Each race will begin with the racing Scouts being called by name and/or car number. Only race officials will be allowed to enter the track area. All other persons must remain outside of the barricades.

- b) If a car is damaged during the race, the Scout and parent or guardian will be allowed 10 minutes to repair the car. Race officials will re-inspect the car after repairs, before it is allowed to continue racing.
- c) The winners will be determined by either the best Average Winning Time or by Total Points based on position of finish. The track does have an electronic finish line indicating the winning car for each race and elapsed time.
- d) Each car will race a minimum of 4 times, once in each lane of the race track.
- e) If a car jumps the track that race, with no changes to Lane assignments, will be rerun 1 time.
- f) If the a car jumps the track a second time 1 second will be added to the 3rd place finisher's time and that time will used as the finish time for that car.
- g) If a car does not run smoothly, no repeat will occur except at the discretion of the race committee, if deemed due to track or race personnel error.
- h) If Position Based points are used: 1 point for 1st, 2 points for 2nd, 3 points for 3rd, and 4 points for 4th, lowest point total wins. Ties will be broken in a 2 race runoff to determine 1st, 2nd, and 3rd place finishes.
- i) If Average Time is used it will be the average finish time of 4 races.

8. Note

Extra weight can be purchased from the Boy Scout Council on Lee Hwy. A limited number of weights will be available for purchase at the weigh in.

Please do not use Gorilla glue on your cars. It expands when it dry's and won't let the cars run properly on the track.

*Starting Times January 28, 2017

Daisies	-	1:00pm
Brownies	-	1:30pm
Juniors	-	2:00pm
Cadettes and above	-	2:15pm
Leaders	-	2:30pm

*Starting times for each group will not begin prior to listed start times.

Starting time for a group may be delayed at the discretion of Race Officials.

Scouts must be present for their car to run in the race.

Mountain Scouts Run Off

Based on time, the fastest car on the mountain (of both Cub and Girl Scouts) will be announced. There will not be a separate race as in years past.

Remember: These events are for the girls and their families. All cars should be designed and built by the scouts with an appropriate level of assistance from the adult partner. Parents, this is a kids' race!!!

Please keep the Scout Law and Promise in mind, do your best and HAVE FUN!!!