

Chattanooga Green Prix, **Goblins**, April 5, 2024
VW West Parking Area, Chattanooga
SUPPLEMENTAL REGULATIONS

OBJECTIVE: The objective is to teach STEM and mechanical skills through a fun and competitive sport—representing your school and team by racing your own electric car!

RULES: Chattanooga Green Prix Rules are written to be complementary, yet a simplified version of the GreenPower USA Rules and Regulations. The Chattanooga rules are located at <https://www.greenspaceschattanooga.org/chattanooga-green-prix>. Scroll down to the Advisor Resources link or click <https://www.greenspaceschattanooga.org/gp-teacher-resources> to access a plethora of resources for teams. Here is the direct link to the document: <https://static1.squarespace.com/static/531ca0b3e4b030d9a2073a08/t/63b5aef248a9ec12f4be262a/1672851186749/2023+Goblin+Green+Prix+Rules.pdf>

The Chattanooga rules do not differ to the point teams cannot prep their cars to GreenPower USA standards if they want to compete in the national points races in other states. This means that the Chattanooga Green Prix will not be sanctioned by GreenPower USA or earn points towards the nationally tally, however, the safety requirements, the presentation, the track specs and the competition aspect will remain the same. If you would like to register to participate in the GreenPower USA circuit, visit their website at <https://greenpowerusa.net/membership-info>.

RACE PREPARATION. The Chattanooga Green Prix web site has information to help prepare for the race. There are links such as course maps, a guide to getting started in the Green Prix, how to buy spare parts, flagging standards, battery maintenance, tire change tutorial, Chattanooga Region rules, and a series of video to help teams prepare. As the race date approaches, a Virtual Team Meeting video will also be posted.

Use the PRE-RACE CHECKLIST to assure the car is ready to go on race day. DO NOT show up at the race with a car that must have repairs before it can participate.

REGISTRATION: The team advisor will apply for each team competing. These are available online at www.greenspaceschattanooga.org/gp-teacher-resources. In addition, the team advisor will ensure each member competing has a filled out Minor Waiver form. No waiver means you can only watch from the spectator area.

TRACK ARRIVAL. See Advisor Resources for details/map on registration location, pits, track, and tow vehicle parking. Parking in the active pit area is tight so only one support vehicle is allowed. Those with trailers will unload the car and equipment and move the trailer to the larger public parking area. We will allow trailer parking as close as possible to the pits to allow quick access.

Advisors please make sure all participants have signed in Saturday morning. Everyone will have to get the required paperwork (waivers, etc.) prior to entry into the track facilities. Proof of completed paperwork will be an arm band for each participant. Please leave the arm bands on the entire time you are at the track.

PRESENTATIONS: Presentations will be done at the team's canopy. Rubric will be found at www.greenspaceschattanooga.org/gp-teacher-resources.

PITS. The most hazardous area at any race is the pits. Lots of activities and people/cars moving around. Each team may have up to 10 students and two advisors. If you have more than ten students, you can cycle them to and from the Spectator area provided all paperwork is complete and they have an arm band. Pit stalls will be assigned at registration.

SAFETY AND TECHNICAL INSPECTION: Inspection will be in the team pit stall. All cars must pass the technical inspection and have an RFID tag (serves a Tech Sticker) prior to entering the track.

Before the event each team should have inspected their car using the Tech Inspection Sheet available at www.greenspaceschattanooga.org/gp-teacher-resources. Please do a careful inspection prior to arrival. DO NOT Show up needing to fix your car. Cars unable to pass tech the first time will be sent to the back of the line and re-teched when able. We do not want to keep anyone from competing but if an issue is deemed too hazardous to race, then the word of the Race Director is final.

BATTERY CHARGING: Same two batteries will be used for the full event. Once the Event has started **battery changes** are only allowed with the specific approval of the Race Director or Chief Technical Inspector. **Battery charging** will be allowed for one hour during the lunch break noted in the Schedule. Bring the battery charger furnished by greenspaces and batteries that are fully charged to the event.

CONTACT WITH ANOTHER CAR: In case of significant contact, all cars involved will be issued the Black Flag. They will exit the track and enter the Black Flag Box for a safety inspection. The driver, along with the Advisor will have a discussion with the DRIVER COACH. Rough driving will NOT BE TOLLERATED!

PIT ENTRY: Battery switch must be OFF and two pushers used in the Pits. The Team should have pushers in place and ready when their car enters the Pits.

SCORING AND EVENT FLOW. Teams will be scored by a combination of presentation grading, drag race results, slalom results, and circuit races to generate an overall score. The drag races and slalom races will be run via a matrix to maximize teams competing against other teams.

Teams will designate two pushers—ONE for the drags, and ONE for the Slaloms—to help with the start of the drag and slalom races—prevents slipping of the drive belt. The pusher will have a short area to help start the race. Remaining heats can use the same pushers or teams can designate other team members to push.

Drag and slalom races will be judged visually at the finish line. Teams will be awarded 2 points for a win. The decision of the finish line judge is final. Knocking a cone over OR completely out of its box in the Slalom Race will result in DQ for that race.

The first circuit race will be grided by random draw. The second and third circuit race will be grided in reverse finishing order—car finishing first starts last. Currently we plan to have three 7 lap circuit races. Driver changes during each heat are not advisable as it will hurt your finishing order for that race.

Circuit race scoring will be based on the finishing order per race with a points system based on finishing order for EACH race. All three race points will be combined to determine the overall placement for each group. Five points will be added to the score if the team meets the requirements for Disassembly-Reassembly.

NOTE: The Fall 2023 race counted as race ONE toward the Chattanooga Area Green Prix yearly championship. Race TWO will be the Spring 2024 race and we will combine the results to determine the overall season champion for the 2024 Chattanooga Championship. Teams must compete in both Fall and Spring races to be eligible.

AWARDS: Awards will occur as scheduled on the master schedule provided to teams. Please stay and support those who finished in the Top 5, your turn will come! Also, we will select the winner of the Bill Perry perseverance Award.

FOOD: Food will be available on site from Chattanooga Breakfast Rotary Club.

BAD WEATHER: Races go rain or shine with some exceptions. If we have lightning within 7 miles, we will Black Flag all cars to slowly re-renter the pits and seek shelter on the VW site.