

Chattanooga Green Prix, F24 Classes, April 6, 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.

**CAR CLASSIFICATION.** A quick guide to car classification is also located under Advisor Resources. Scroll down to the Additional Resources section. Link: <https://static1.squarespace.com/static/531ca0b3e4b030d9a2073a08/t/63b5af11d320ea4a1bc3fb17/1672851217105/F24MS+and+F24HS+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 national 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 videos to prepare for the Chattanooga Green Prix. As the race approaches, there will also be a Virtual Team Meeting video posted with details about the race.

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](http://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 at the track.

**PRESENTATIONS:** Presentations will be done at the assigned time for each team. There is planned to be a Middle School and a High School canopy in the Pit area for Presentations. The Team should gather at the "Wait Here" mark in front of the canopy about five minutes before their assigned Presentation time. Rubric can be found under Advisor resources or at this link: <https://www.greenspaceschattanooga.org/s/Final-Green-Prix-F24-Presentation-Rubricdocx.pdf>.

PITS: The most hazardous area at any race is the pits. Lots of activities and people/cars will be 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 and the PRE-RACE CHECKLIST available at [www.greenspaceschattanooga.org/gp-teacher-resources](http://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: **Battery Charging** at the event will be allowed at any time during the event. Battery changes after practice or between races is likewise allowed. Teams must bring the battery charger that was provided to them. A battery charging area will be provided but teams will also be allowed to bring a generator to power their kit chargers. Bring batteries that are fully charged to the event.

NOTE: **Battery changes** are not allowed during the race without the approval of the Race Director or Chief Tech Inspector.

RACE FORMAT: Two 45-minute races with at least one mandatory driver change during the race. Following driver change in the driver change area, drivers will stop for a quick safety check at Pit Exit. Make sure the driver has all safety equipment (including gloves), has good visibility out of the car and has hair tucked in. Races will be alternated between High and Middle school teams.

CONTACT OR TRACK VIOLATIONS: In case of significant contact, violation of track rules or unsafe driving, the cars involved will be issued a 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 TOLERATED!

PIT ENTRY: Slow your car once in the pit lane. Once stopped, the battery switch must be OFF, and two pushers used to move the car in the Pits or to the Driver Change area—WALKING PACE. The Team should have pushers in place and ready behind the Pit Entry Marshall when their car enters the Pits, however, no team personnel will move in front of the Pit Entry Marshall until the car has stopped and the battery switch is confirmed OFF. Again, maximum of two pushers and only at walking speed.

PIT SIGNAL: Teams are responsible for calling their car to the pits. A sign, a radio, a strange dance—whatever you decide. NO black flag signal will be used to call the team to the pits for a routine pit stop.

TRACK ENTRY: No team personnel, including advisors, are to enter the track when Practice/Qualifying or races are active. If a car has an issue, Green Prix personnel will get the car back to the pits as soon as possible. Once repaired cars can reenter the track after a quick safety check at Pit Exit.

SCORING: Teams will be Scored by a combination of Presentation grading (50 points maximum) added to the total number of laps completed in each of the races to generate an overall score. Five points will be added if the team meets the requirements for Disassembly-Reassembly. Lap counts will be performed by an electronic system using RFID tags on each car. The RFID tag will be furnished at Tech Inspection.

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. An overall Middle School F-24 (stock, modified, custom) and High School (stock, modified, custom) will be awarded.

AWARDS: Awards will occur as scheduled on the master schedule provided to teams. Please stay and support those who won, your turn will come!

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-enter the pits and seek shelter on the VW site.

**NOTE: You cannot win a 45-minute race in turn 3 of lap 1—but you sure can lose it!**