

## JUNIOR SOLAR SPRINT | Time Trials / Race Specifications

#	Time Trials / Race Specifications
1	There will be a repair table(s) set up to help facilitate quick repairs to cars, as necessary. Teams must supply their own tools. Teams that are scheduled to race in the next race will be given priority in the repair area. There will be a 3-minute time limit for repairs.
2	The race lane must be 60 cm wide and 20 m long. The track will be a hard flat surface, such as a tennis court or a smooth surfaced running track.
3	Repairs of cars are NOT permitted during the time trials or finalist racing of the cars.
4	At race time, the car will be placed behind the starting line with all of its wheels in contact with the ground. No more than two team members will be allowed in the start area.
5	Releasing the car before the official start, or pushing the car during its release will result in a Did Not Finish (DNF) for that race.
6	All cars will be started when the official signal is given. Each car will have three time trials. The average of these time trials will determine the 16 top finalists to be raced. If, for any reason, a car is not able to participate in the time trials or race at its scheduled set time, it may be disqualified.
7	The judges will note the official time for each time trial. At the time designated, if a car does not start the time trial, OR if during the time trial it does not finish, it will be noted as a Did Not Finish (DNF) time, earning a value of zero. In the event of a DNF, a time of zero will be awarded for that time trial.
8	At least one, but no more than two members must wait at the finish line to catch the vehicle for each timed trial.
9	No one, including team members and spectators, may accompany or touch the vehicle on the track during a timed trial or finalist race. Vehicles stalled on the track can be retrieved after the end of the trial or race has been declared by the lead judge. A violation of this rule will result in a disqualification of the offending team.
10	After each timed trial or race, the vehicle and team member must remain at the finish line until the time is recorded for the vehicle.
11	Challenges must be made before the next timed trial or race begins. Any challenges must come from team members who are actively competing, not the coach, parent or coordinator, and all challenges need to be directed to the lead judge. The decisions of the judges are final.
12	Only competing students and race officials may be in the race area. All other spectators, including coaches, parents, coordinators, and non-competing students, must remain in the designated spectator area throughout the duration of the races. Teams will be disqualified if a spectator, including a coach or parent, interferes with the race.
13	Judges may inspect cars at any time before, during, and after timed trials or finalist races.
	A student-designed attachment device must be attached to the car to accommodate a guide wire. A guide wire such as fishing line will be no more than 1.5 cm from the surface of the track. It will go through the eyelet attached to the car and serve as a steering mechanism to keep the car in its lane. The vehicle must be easily removed from the guide wire, without disconnecting the guide wire. This is the only allowable method of steering the car. No radio control is permitted in a car. Lane changing or lane crossing will result in a Did Not Finish (DNF) standing. A car whose race is impacted by an out of control vehicle will be allowed an opportunity to run the race again. A car that lacks steering control and interferes with other cars in other lanes will not be allowed to race again.

*Any additional rules, regulations, or guidelines established by the event coordinator must be followed.*

