



GREENPOWER

**TECHNICAL & SPORTING
REGULATIONS 2021**

Global partner

SIEMENS

National partner



National partner



Global technology
partner

SOLID EDGE

Legal partner



Communications
partner





OVERVIEW

All cars must comply with the following regulations. All cars will be subject to pre-event and possible post-event scrutineering (race day safety check) to ensure compliance.

Team leaders with less able students wishing to participate, who may have special requirements with regard to the regulations, should contact Greenpower who will be pleased to assist in any way possible.

Remember that the project is for the benefit of the young people involved. It is important to ensure that they are as involved in as much of the design and build of the vehicle as possible and that technology used is relevant and accessible to the age group of the category in which you are participating.

TECHNICAL

T1 - TECHNICAL

- T1.1. Goblin cars must, with the exception of bodywork, be built using only components as supplied by Greenpower.
- T1.2. The motor is sealed and must not be opened or modified.
- T1.3. Battery charging at events is prohibited. Only a single pair of batteries is permitted to be used per event day.
- T1.4. Batteries must be clamped to the chassis of the car using the supplied battery clamp only.
- T1.5. The floor of the car must be fitted with no large gaps to the ground.
- T1.6. The top of the driver's crash helmet must be below roll bar height at all times.
- T1.7. The driver must be able to reach and operate steering and brakes comfortably.
- T1.8. Bodywork must cover the entire length of both sides and the front of the car.
- T1.9. Bodywork must not cover isolator switches, which must be freely accessible at all times.
- T1.10. There must be no sharp edges on bodywork.
- T1.11. All bodywork that protrudes beyond the front of the chassis must be easily deformable.





- T1.12. The addition of bodywork or other structures for the purpose of push starts is prohibited.
- T1.13. The brakes must be correctly set up, so that when applied prevent the car from being pushed.
- T1.14. The safety harness must be tightly adjusted for each driver.
- T1.15. Always transport and charge batteries in a safe environment where there is no danger of metal parts coming into contact with the battery terminals. Always charge in accordance with manufacturers' instructions.
- T1.16. All cars will display race number stickers provided at each event.
- T1.17. Provision must be made for a minimum of 8 partner stickers, each of 200 mm x 75 mm. Partner stickers supplied by Greenpower must be applied to the vehicle in prominent positions.

SPORTING REGULATIONS

S1 - SPORTING REGULATIONS

- S1.1. Drivers must wear helmets with visor or goggles at all times during practice and competition. It is the responsibility of the driver and team manager to ensure helmets fit properly and are in serviceable condition. In use helmets must be securely fastened. Helmets must be full-face style compliant with one of the following standards:

British Standard BS 6658:1985 (BSI Kite marked)
UNECE Regulation 22.05 (E marked)
FIA 8860-2004 (Not valid after 31.12.2020)
FIA 8860-2010
FIA 8859-2015
SNELL SA2010 (Not valid after 31.12.2023)
SNELL SA2015 (Not valid after 31.12.2023)
SNELL SAH2010 (Not valid after 31.12.2023)
SNELL K2010 (Not valid after 31.12.2023)
SNELL K2015
SNELL – FIA CMR2007
SNELL – FIA CMS2007
SNELL - FIA CMR2016
SNELL - FIA CMS2016

- S1.2. Full overalls or long sleeved tops and trousers and full-fingered gloves must be used whilst driving. Overalls must be of a suitable thickness to provide protection. Paper overalls are not acceptable.
- S1.3. All team members must wear stout closed toe footwear, ideally with toe protection.

- S1.4. Drivers must be aged 9 – 11 (inclusive) only.
- S1.5. All drivers must know about all aspects of the car, especially how to isolate the power.
- S1.6. It is recommended that all drivers have experience in driving before arriving at an event.



TERMS OF ENTRY

By entering for any Greenpower Education Trust organised event, the team are agreeing to the following Terms of Entry:

- E1.1. Published regulations may be subject to change. In the event of this happening, notification will be sent to all entered teams and posted on the Greenpower website.
- E1.2. All vehicles will be subject to pre-event and possible post-event scrutineering to ensure compliance.
- E1.3. The vehicle and required drivers must be presented at scrutineering (race day safety check) in a race ready configuration.
- E1.4. Supplementary Regulations specific to each event will be published approximately two weeks beforehand and sent by email to all entrants for that event.
- E1.5. Greenpower's scrutineers and officials accept no responsibility for damage caused to cars whilst performing safety checks, recovery or rescue during an event.
- E1.6. Whilst these regulations, the scrutineers and other officials endeavour to ensure vehicles are safe to participate, ultimate responsibility lies with the entrant.
- E1.7. Whilst compliance with the Technical and Sporting Regulations should result in a compliant vehicle, race officials reserve the right to prevent a vehicle racing.
- E1.8. It is understood that all persons participating in events under

these rules are doing so at their own risk and the entrant will ensure that all competitors will have disclaimers (as provided by Greenpower) signed by their parents or guardians prior to competing.

- E1.9. Greenpower ensure that Public Liability and Personal Accident Insurance for participants is always in place for events under their control and accept no liability for events organised by third parties or team practice sessions.
- E1.10. As part of communications activity, Greenpower regularly uses photography for publicity purposes. Entrants must ensure all participants are aware of this and the necessary permission is obtained. If permission is not granted, Greenpower must be notified prior to every event in which the participant takes part. Team leaders with less able students wishing to participate, who may have special requirements with regard to the regulations, should contact Greenpower who will be pleased to assist in any way possible.

SOCIAL MEDIA

For Greenpower Social Media updates please follow these handles:



Greenpowertrust



@Greenpowertrust



@Greenpowertrust



Company/greenpower-education-trust

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MORE INFORMATION

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*Greenpower Education Trust is a charity registered
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