

From: Andrew Stogdale, Inspire 2 Learn>

Date: 05/02/2018 12:12 (GMT+00:00)

Subject: Greenpower - too expensive to build and race an electric car with your pupils? Think again!

Hi Everyone,

Last year we had a large number of schools wanting to take part in the Greenpower challenge. Essentially you get an electric car that you build and then race around Croft circuit in June. The team working skills and inspiration that develops around this are the key drivers for taking part. Inspire2Learn hosts the build days where you will be invited to attend with a team of pupils. On hand will be engineers from a range of local companies who will help build the cars and generally inspire the children that they are working with! We are also looking at the possibility of running the build over two days this year, one of the days being a Saturday so that parents can be more involved. That is still for discussion. There will be some commitments such as taking part in the Croft event in June and potentially an event as part of the Great Exhibition of the North around the same time. We are looking at funding to cover this also.

Don't think about this as a small groups getting to do the work, in previous years they have had whole schools competitions based around bodywork, poetry, narratives, diary work, maths and much besides come out of the excitement of having your own school team car. And next year? Just dismantle and start again!

In previous years the **high initial cost** of the car has been a problem but thanks to the fantastic work of Mike Lambert he has secured funding to **completely cover the cost** of the kits and even potentially some of the other costs (transport of car, tools etc.). Obviously money doesn't last forever and we think that there will be enough to support 8 or 9 schools. There is a flyer attached to this email with much more in depth detail. If you would like to apply you will need to fill in that form but also send me a short 'bid' as to why your school should be successful. It could be a letter, a video, a song....don't mind but it is a great opportunity to ask you pupils to write for a real audience in whatever form it gets to me! The deadline for this is Friday 23rd February.

Any questions just yell,

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Primary School STEM Electric Race Car Project Opportunity

Great Exhibition of the North (GEOTN) 2018

An exciting STEM project opportunity is available for up to 20 Primary schools in the North East of England, as part of the Great Exhibition of the North being held in Newcastle and Gateshead over the Summer period of 2018. The project is working with the Greenpower Education Trust, and involves a team of up to 10 Year 5/6 children (with professional engineer volunteer guidance) building a car from kit, and then designing and building and fixing the body work. The car is powered by electricity and can then also be raced against other schools. A synopsis of the project is attached

We plan to have the race day, open to the public as part of the GEOTN, on July 4/5 at a venue on the banks of the River Tyne and the details on this are being finalised. The races involve 2 or 3 cars racing together in a timed event over a set distance in a straight line, and an individual slalom type course, involving parking skills, also timed. Please take a look at the website greenpower.co.uk for further information about the projects in general.

For this project we would also like to do car builds as part of the exhibition, so the general public can view the activity from a distance. We would also like to have parental involvement in the build process as well. The projects have complete risk assessments, and have been ran by over 50 schools in the NE and over 600 nationally

The car kit would normally cost £1250 to schools, but via kind sponsorship from the REECE Foundation, we are offering to supply kits to successful applicants. The kits can be dismantled and stored away, and the project ran again in subsequent years. Some schools have been using the same kits now for several years, and Greenpower have a schedule of race events each year that schools can attend. If needed we will also seek to loan or supply tools for the project, and offer some assistance on logistics and safety wear costs to be able to attend the race event for this GEOTN project.

If you wish to apply for your school for this project, please find an initial form attached. This should be sent to me at mike.lambert@greenpower.co.uk as soon as possible. Also please feel free to email me at this address with any questions, or contact me on 07711 086530 and I will answer/respond as soon as I possibly can.

Kind Regards, Mike Lambert BSC(Hons) MSc MBA C Eng FIMECHE

North East UK Ambassador (non paid volunteer) – Greenpower Education Trust



- Build a basic running chassis from purchased kit
- Design and build and decorate a simple body
- Trial the car and refine it as needed
- Participate in race events with other schools
- Take Greenpower Educational Scheme awards

GOBLIN 9 -11 yrs

Greenpower REECE Foundation Fund

Grant Request for Great North Exhibition Goblin Project Kit

School Name	
School address	
Contact Name	
Contact Email	
Contact Phone	
School bank sort code and account number for funds transfer	

Further explanation and conditions of grant request

1. This grant request is to cover costs in total (£1250 exc VAT) for purchase of a Goblin Car Kit from Greenpower Education Trust. If the grant request is successful then the contact name on this form will be notified according, and at that point we will request the school orders a car kit. The school will then need to order a car kit from Greenpower within 2 weeks of that notification. The funds from this grant request will only be transferred once we have confirmation that a car kit is on order. Only one car kit per school can be applied for

2. Where possible, i.e. for mixed gender schools, the Greenpower project should be open to and involve both genders, with an equal as possible ratio of male to female team members. Students must have the capacity and capability to follow simple instructions both during build events and on race days

3. Upon successful receipt of the car kit the school must commit to run a car build project and attend the race day in July 2018 in Newcastle. We are arranging build events also at locations in Newcastle and Middlesbrough, open to the public for viewing, and this will be our preferred mode to run the builds. By accepting this grant request the expectation is that that participating schools attend one of these build days in late June or very early July. The car can largely be built in one day using volunteer guidance, and then it can be completed at the school if needed. We strongly encourage parental involvement in the build process and project

5. Grant offers are valid for two weeks only from the point of notification of successful application. If a car kit isn't ordered within 2 weeks of that notification, the grant becomes void and the money earmarked for the grant offer returns to the grant fund

Each school must agree to these conditions to be eligible for the grant, if you agree please sign below to accept all of the above on behalf of your school.

Please scan and email this form with signature to mike.lambert@greenpower.co.uk

Name	
Signed	
Date	
Position	