

Evaluation of *Get Energised with the ScottishPower Foundation*

Brief for Tender

Background

We are looking for a company to evaluate the impact of the 'Get Energised with the ScottishPower Foundation' programme upon pupils at National Museum of Scotland and the National Museum of Rural Life.

This is a science/engineering/technology engagement programme which brings together curatorial, industry, education and engagement experts. It aims to create a programme of events and activities for a range of different audiences to investigate Scotland's future energy needs, focusing particularly on renewable energy. The project was launched in 2013 with the aim of enthusing and engaging senior secondary school pupils studying STEM-related subjects (science, technology, engineering and maths) through set Challenge Days at both the National Museum of Scotland in Edinburgh and the National Museum of Rural Life in East Kilbride. In its second year (2014-2015) we are updating our Challenge Days, and plan to create workshops for lower secondary school pupils by early 2015.

We would therefore like to evaluate the impact of the programme on those pupils who have taken part in Challenge Days in October and November 2014. The original learning outcomes were set as follows:

Pupils should be

- Applying their knowledge of physics, maths and technologies to solving real engineering challenges and presenting their solutions.
- Developing skills in team-working to successfully complete the engineering challenge.
- Able to discuss the pros and cons of renewable energy versus traditional sources of energy.
- Able to understand the different career opportunities available in Scotland in the engineering sector.
- Inspired by the innovative engineering and creative people in Scotland's renewable energy industry.

We would like to discover to what extent these learning outcomes are met by Challenge Days.

We are also setting learning outcomes for our S1 pilot workshop in January 2015 and would like to discover to what extent these are met by these new workshops. Additionally, we would like to discover what motivates teachers to bring their classes to these workshops and what views the teachers have on how to improve the workshops in the future.

Research Objectives:

- Find out the motivations of teachers to attend sessions and how they believe the programme could be further improved both in terms of content and promotion
- Carry out pre and post evaluation with pupils taking part in Challenge Days in November 2014 to discover to what extent the learning outcomes were met
- Carry out post evaluation with pupils who took part in Challenge Days in October 14 to find out about the longer term learning outcomes of the sessions
- Carry out pre and post evaluation with pupils taking part in S1 pilot sessions in January 2015 to discover to what extent the learning outcomes were met
- Discover if taking part in the programme, further engaged or inspired secondary school pupils about science, technology or engineering topics

Target audiences

- Secondary school pupils
- Science Teachers

Methodology

- Questionnaires distributed to pupils
- Questionnaires distributed to teachers
- Meeting with pupils at the end of a Challenge Day
- Meeting with a group of pupils and teachers following the event to discover the longer term learning outcomes of the project

Location

National Museum of Scotland and in a secondary school who have taken part in the project

Staff

Sarah Cowie, Learning Officer (Schools), National Museum of Scotland
Nicki Bray, Learning Officer, National Museum of Rural Life

Dissemination of results

Written report and dissemination meeting with relevant staff

Time schedule

Tender	October 14
Company selected	15 October
Evaluation of current Challenge Days	3 & 17 November 14
Evaluation of S1 pilot session	January 15
Final report	February 15

Tender Submission

Successful candidates will be selected on the basis of a written submission, including a detailed budget clearing stating daily rate and time estimated for delivery of the project.

Please include:

- Your experience relevant to this project
- Your approach to and understanding of the project, including delivery of project, time management and budget allocation
- Details of two referees

Evaluation of the tender submission will be based on the following:

Evaluation Criteria	Weighting	Max Points
Budget	30%	30
Expertise and experience	35%	35
Response to the brief	35%	35

Response Note

The tender is to be fixed price, the budget allowed for this package of work is **£3000 net of VAT**. At tender stage it should be indicated how this budget has been broken down.

Responses should be submitted by 5pm on Wednesday 15th October 2014 to:

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