

LIFELONG LEARNING REPORT FOR 6th NOVEMBER 2017 MEETING

The major events/activities supported since the last AGM include

1. Children Challenging Industry Project

This is an ongoing and very successful project which CSI has supported for a number of years. Their last report included both detailed qualitative and quantitative analysis. The report has been circulated to Council members and their conclusions are pasted below.

Conclusions

Both pupils and teachers were generally positively disposed towards the CCI project they took part in. Judging by changes in ratings on a range of statements, attitudes towards science and industry have improved over the course of the project. Differences between girls and boys and between the two regions involved in the Study were subtle and not necessarily consistently related to one factor or aspect of the project. The qualitative responses suggest that it might be possible to make small improvements to some of the trips which would make them an even better experience for the pupils, but richer data related to each project would be necessary to enable this to happen.

2. Greenpower Projects

This has continued to be a successful project with increasing numbers of schools taking part. Longfield Academy of Sport from Darlington reached the International Finals at Rockingham this year and did very well in the 2 day event to finish in 11th out of 44 places on Saturday and 31st out of 74 on the Sunday,



Mr. D Rich mentioned that the students worked hard all year and engineers from Cummins worked with them every alternate week. This gave the students experiences that could not be provided in the classroom and he has seen their self confidence and knowledge grow.

This is what one of the students going to Rockingham said "Going to Rockingham has allowed me to develop my skills and experience the work of an engineer. It has also allowed me to meet people with similar skills and mind sets."

Mike Lambert reported that the other schools supported by CSI and CSI with IMechE did very well too. Barton won the Slalom event, Norton were second in the drag event. Mowden won the best body work, Norton were second in the drag event and Normanby won the best portfolio award. Longfield won the heat at Croft.

3. VEX Robotics projects.

Nunthorpe School, Acklam Grange School and Kings Academy are continuing with their projects. Inspire2Learn has got the other kits which are being widely used by schools.



4. Whitby Technology Tournament

This annual event continues to interest and motivate the young people to solve problems on a STEM based task. 17 teams took part

Each school / college enters a team of 4 students in the following groups:-

Foundation-key stage 3 (12-14 years)

Intermediate-key stage 4 (14-16 years)

Advanced- key stage 5 (16+)

The basic project is common to all three age groups but with increased difficulty built in for the older age groups. The project is to plan, design, build and test a working model constructed from supplied materials and using specified tools.

The highlight of the day is the testing session when the teams can see the designs and performance of competing solutions to the same problem.



5. Generating Geologists

The Final Report for this successful project has been circulated to Council members and the team of Trustees and staff at Teesmouth Field Centre have expressed their gratitude for the funding received from CSI. 10 classes from 6 primary schools in the Tees Valley took part. 258 children and 42 teaching staff/assistants and parents enjoyed their day learning about natural and man made rocks and their properties.

There is a demand for this curriculum related project and more schools would take part if funding was available.



Teesmouth Field Centre
Rocks, Seals and Fossils Evaluation Form
 We hope that you have enjoyed your visit. It would help us greatly to improve our programme if you would spare a few minutes to fill in the evaluation form.

Name of school: Cockburn Primary School
 Date of Visit: 3/10/17
 Year Group: 3

How would you rate the booking procedure for the visit?
 Very efficient Satisfactory Difficult

Please tick the appropriate box:

	Excellent	Good	Average	Poor
Guided activities	<input checked="" type="checkbox"/>			
Expectations and objectives met	<input checked="" type="checkbox"/>			
Educational content	<input checked="" type="checkbox"/>			
Children's Enjoyment	<input checked="" type="checkbox"/>			

Do you have any suggestions for improving the programme or any comments? *The day has been brilliant in terms of opportunity. The children have learnt so much in such a short time and it was a great day for all.*

Project funded by Cleveland Scientific Group Institute
 Teesmouth Development Authority

6. Bring it On

CSI has been a major sponsor of this event held for the first time to raise awareness of the exciting and varied opportunities available in the wide ranging field of engineering in the North East. The pre and post event feedback from the schools sampled indicate very clearly that the perception of the young people attending the event about engineering changed dramatically and positively as a result of the event. The 'Engineering Show' performed by the well known 'Mr Bunhead' also sponsored by CSI was very well received by adults and students alike.

2400 primary and secondary school children from 156 schools in the North East took part in the 2 day event and more than 50 companies were involved. CSI Council members also helped actively over the two days in various ways. The website www.bringitonne will illustrate the engagement between the students and exhibitors. Information is also available on CSI's website
 CSI Council members helping at the event



Adrian Northey with students



Colin Howard with students



Sarah Kellerman – information for teachers



MR. BUNHEAD – SPONSORED BY CSI

Applications for Funding

Approved at last meeting :

Bring It On, Children
Challenging industry,
Whitby Technology Tournament
VEX Robotics for Kings Academy

Applications submitted for November Meeting

Greenpower – Longfield Academy – Girls in Engineering - secondary

Possible/Likely Applications for November meeting

Teesmouth Field Centre – Generating Geologists – Primary
Greenpower – Mike Lambert for additional schools