Young Engineers and Science Clubs Scotland

Report to the Institute of Physics
March 2012
Background

The Institute of Physics awarded SCDI a grant of £2,500 in May 2011 towards the Lighting up Curriculum for Excellence project.

Lighting up Curriculum for Excellence has been developed to introduce mainly primary pupils and their teachers to electronics in an exciting and engaging way. Each kit contains a soldering iron and all the necessary tools and safety equipment, as well as 60 individual component packs for each of three LED based circuits. To date, over 75 kits have been distributed to schools across Scotland, backed by half day teacher training sessions. During 2011/12, we have organised training workshops in Edinburgh and Dundee with a further session planned for Highland during May. In addition, we have run workshops for school pupils at Peebles Science Fair and Grangemouth Science Fair. During National Science and Engineering week, we ran workshops for pupils/teachers in Midlothian and at the Museum of Communication in Fife. In addition, a number of one-to-one training sessions were held.

The Institute of Physics’ support has been highlighted on all materials and the Young Engineers and Science Clubs Scotland website and dedicated Lighting up Curriculum for Excellence website.

Institute of Physics Support

Sustainability is an important aspect of the programme and many of the schools with kits require additional components and/or soldering equipment to introduce the project to new groups of young people.

The Institute of Physics grant has enabled additional Lighting up components and equipment worth £125 per school to be provided to the following schools across Scotland:

- MacDiarmid Primary, Isle of Skye
- Dornoch Primary, Highland
- Udny Green Primary, Aberdeenshire
- Sacred Heart Primary, Midlothian
- Kingsland Primary, Borders
- Priorsford Primary, Borders
- Moorfoot Primary, Inverclyde
- Clerkhill Primary, Aberdeenshire
- Community Learning and Support Service, Glasgow
- Community School of Auchterarder, Perthshire
- Tullynessle Primary, Aberdeenshire
- Blackfriars Primary, Glasgow
- Midmar Primary, Aberdeenshire
- Shawlands Primary, Glasgow
- Glasgow Gaelic School, Glasgow
- Brora Primary, Highland
- Mauricewood Primary, Midlothian
- Ardgowan Primary, Inverclyde
- Portree Primary, Isle of Skye
- Hawick High School, Borders
Testimonials and Photos

“Hands-on inspirational course that offered excellent benefits to staff and pupils”
P Nicolson, MacDiarmid Primary, Isle of Skye

“The resources you provide are excellent, useful and very much appreciated”
Julie Ireland, Biology Teacher, The Community School of Auchterarder, Perth and Kinross

“I thoroughly enjoyed the Lighting up CfE CPD today at EDS. I was very impressed with the kits and the level of support provided during the workshop and I cannot wait to get started making these kits with the children in my school” Claypotts Primary, Dundee

“I thought the workshop and kits were excellent, and the enthusiasm, friendliness and expertise of the training providers were outstanding” Sciennes Primary, Edinburgh

Visit www.lightingupthecfe.com for more photos and comments.

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