



Insight Into Engineering Programme



Sentinus

where industry matters

Sentinus is a not for profit educational charity. It is one of the largest providers of business/education activity in the United Kingdom. Last year almost 60,000 students from 620 schools and colleges took part in Sentinus programmes equating to 130,000 full student activity days. Through the establishment of partnerships between education and employers the organisation supports the development of young people by enhancing essential life skills and creates an awareness of the many exciting career opportunities available to them. The organisation has a focus on young people, from 5 to 19 years old, developing their interpersonal skills through challenging and exciting experiences linked with the world of work.

Promoting Science, Technology, Engineering & Maths (STEM)

As the wealth creation sector of any economy, science and engineering are recognised as being among the most important areas of employment. Sentinus provides a wide range of programmes for young people of all ages to give them exciting and rewarding experiences in the STEM subjects and inspire them to consider careers in these areas. The programmes support the development of links with business, industry and public sector organisations and enrich the learning experience for pupils.



These programmes, designed to support the delivery of the curriculum, engage students in practical problem solving activities, research and development and investigative projects. Although focussing on science, technology, engineering and maths they also give significant opportunity to enhance employability and personal development through problem solving, teamworking, target setting, mentoring, working with adults and independent learning.

Sentinus programmes give young people the opportunity to work with other people, gain real experience of practical problem solving, develop communication skills, enhance their personal development and make informed career decisions.

Education for Employability

Sentinus offers a range of programmes which support CCEA's stated curriculum objectives of developing young people as individuals and contributors to society, the economy and the environment. These programmes include one day roadshows in schools focussing on areas including preparation for interview, personal career planning, personal effectiveness, business workshops and enhanced learning and can be incorporated into a structured programme aimed to support the development of students and their preparation for the work place. These interactive programmes are delivered by a team of expert Trainers and incorporate a wide range of practical activities.

In addition to the roadshows, through our Experiences of Work programme, we offer schools the opportunity to access trained role models from a wide cross section of business, industry and public sector bodies to relate their career experiences to young people.

Sentinus, 19a Ballinderry Road, Lisburn, Co Antrim, BT28 2SA
Tel: 028 9262 7755
Fax: 028 9262 7744
Email: info@sentinus.co.uk
Website: www.sentinus.co.uk

What is the Insight Into Engineering Programme?

A four day programme designed to allow Sixth Form students to explore the exciting careers opportunities offered by a wide range of engineering disciplines and provide them with the information they need to make informed career decisions.

During the programme students meet and talk to role models from engineering, hear about the career experiences of a range of professional engineers, spend a day at Queen's University Belfast and the University of Ulster, engage in interactive problem solving activities and spend two days on placement with engineers from local companies.



One of the programmes will be specifically for boys while the other will be directed at girls.

When Will the Programmes Run?

Insight Into Engineering for **Boys** – Monday 30th November – Thursday 3rd December 2009

GETSET Insight Into Engineering for **Girls** – Monday 1st – Thursday 4th March 2010

How Can My Company Participate?

Your company can support this programme by providing valuable two day placements for students on one or both of the programmes. The students will all be studying physics and maths and have an interest in finding out about careers in engineering. They will be well motivated and committed to improving their own understanding of the profession.

What Does a Placement Involve?

Students will spend two days shadowing professional engineers from local companies as they carry out their normal day to day jobs. We ask that local companies provide placements for students and put in place appropriate arrangements to ensure they have a rewarding experience.

This will give them an introduction to the work of the professional engineer and allow them to gain first hand experience of industry and the profession, thereby allowing them the opportunity to make informed career decisions.



By supporting this programme you can provide an invaluable and exciting opportunity for students to improve their understanding of the profession and potentially influence the numbers of high achieving young people embarking on engineering careers.

How Can I Register My Interest?

Complete and return the registration form opposite to Sentinus at your earliest convenience, indicating how many placements you can provide and in what discipline. For further information please contact:

Dominick McCartan, Sentinus 19a Ballinderry Road, Lisburn, Co Antrim, BT28 2SA

Tel: 028 9262 7755

Fax: 028 9262 7744

Email: dominick.mccartan@sentinus.co.uk

Insight Into Engineering Programmes

Mon 30th Nov – Thurs 3rd Dec 2009 & Mon 1st – Thurs 4th March 2010

Company:	_____
Address:	_____ _____ _____ _____
Telephone:	_____
Contact Person:	_____

The Company is able to facilitate placements on 30 th Nov & 1 st Dec 2009:	Yes <input type="checkbox"/> No <input type="checkbox"/>
The Company is able to facilitate placements on 1 st & 2 nd March 2010:	Yes <input type="checkbox"/> No <input type="checkbox"/>
Please indicate the number of boys you can accommodate on 30 th Nov & 1 st Dec:	<input style="width: 50px; height: 20px;" type="text"/>
Please indicate the number of girls you can accommodate on 1 st & 2 nd March 2010:	<input style="width: 50px; height: 20px;" type="text"/>
Please indicate which engineering discipline/s the placement will involve:	
Mechanical <input type="checkbox"/>	Electrical <input type="checkbox"/>
IT/Software <input type="checkbox"/>	Civil <input type="checkbox"/>
Chemical <input type="checkbox"/>	Aeronautical <input type="checkbox"/>
Electronic <input type="checkbox"/>	Marine <input type="checkbox"/>
Other <input type="checkbox"/>	Please specify: _____

<p>On arrival students should report to on Monday 30th November:</p> <p>Name: <input style="width: 100%; height: 30px;" type="text"/></p> <p>Title: _____</p> <p>Location: _____</p> <p>Time: _____</p>	<p>On arrival students should report to on Tuesday 1st December:</p> <p>Name: <input style="width: 100%; height: 30px;" type="text"/></p> <p>Title: _____</p> <p>Location: _____</p> <p>Time: _____</p>
--	--

<p>On arrival students should report to on Monday 1st March:</p> <p>Name: <input style="width: 100%; height: 30px;" type="text"/></p> <p>Title: _____</p> <p>Location: _____</p> <p>Time: _____</p>	<p>On arrival students should report to on Tuesday 2nd March:</p> <p>Name: <input style="width: 100%; height: 30px;" type="text"/></p> <p>Title: _____</p> <p>Location: _____</p> <p>Time: _____</p>
--	---

Please indicate student dress code:		
Smart <input type="checkbox"/>	Casual <input type="checkbox"/>	Outdoor <input type="checkbox"/>

<p>Please complete and return this form to:</p> <p>Dominick McCartan Sentinus 19a Ballinderry Road Lisburn BT28 2SA Tel No: 028 9262 7755 Fax No: 028 9262 7744 Email: dominick.mccartan@sentinus.co.uk</p>
--