

## 8

# Organising STEM Events

There is a wealth of resources available to support schools/colleges running STEM enhancement and enrichment activities.

This section provides examples of schemes and activities provided by organisations that aim to enhance and enrich the curriculum. The activities aim to offer a fun and stimulating opportunity for students to see the relevance of their studies to the world of work and to involve industry in its widest sense. The links offer a gateway to the wide range of activities and materials that can be used with different age ranges and within differing curriculum contexts.

Schools and colleges also run STEM careers days. Example programmes are provided in Section 10.

## **STEMNET (Science, Technology, Engineering and Maths Network) – STEM Online Directories –**

[www.stemnet.org.uk](http://www.stemnet.org.uk)

STEM Online Directories are a free resource aimed at helping teachers to pinpoint which activities and events provided by organisations across the UK will enhance and enrich their school/college curriculum. There are 3 volumes – Science; Engineering & Technology; and Maths.

## **STEM Clubs –**

[www.iop.org/education/teacher/extra\\_resources/stem/page\\_41714.html](http://www.iop.org/education/teacher/extra_resources/stem/page_41714.html)

The Institute has produced a physics activity pack suitable for supporting the development of a STEM Club.

## **BAE Systems Schools Roadshow –**

[www.baesystems.com/education](http://www.baesystems.com/education)

The BAE Systems Education Programme includes a range of features such as work experience, in-school Roadshow activity, and Ambassador support

## **Enterprising Science (supported by BP) –**

[www.enterprisingscience.com](http://www.enterprisingscience.com)

Includes the high-impact, one day Trading Challenge roadshow for 14 – 19 year old students.

## **British Science Association –**

[www.britishsociety.org/web/news/](http://www.britishsociety.org/web/news/)

Programme of science, engineering and technology events and activities across the UK.

## **The Big Bang –**

[www.thebigbangfair.co.uk](http://www.thebigbangfair.co.uk)

Free event led by EngineeringUK and developed in partnership with organisations from business & industry, government and the STEM community.

## **Greenpower F24 –**

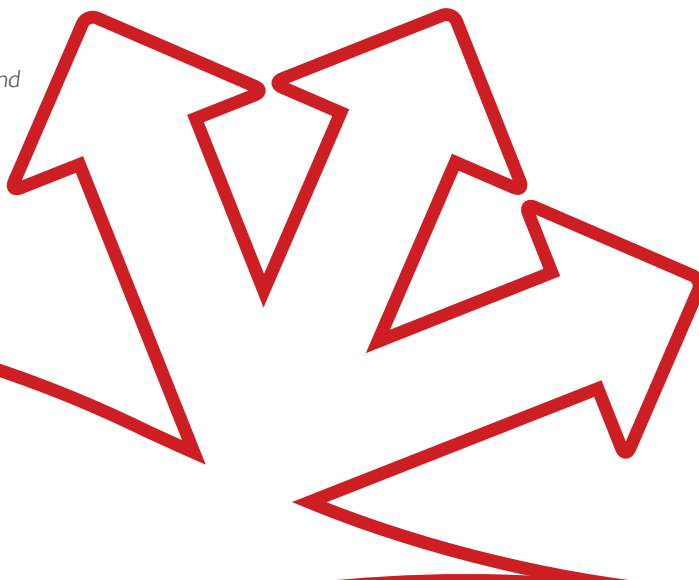
[www.greenpower.co.uk/racing/formula24.php](http://www.greenpower.co.uk/racing/formula24.php)

Enables schools/colleges to compete in building electric cars which culminates in a race.

## **The Industrial Trust –**

[www.industrialtrust.org.uk](http://www.industrialtrust.org.uk)

The Trust is the leading national provider of out of school/college and in-company educational experiences to inspire and motivate young people to choose a STEM career.



### **The Institute of Physics –**

[www.stimulatingphysics.org/the-pilot-careers-and-enterprise.htm](http://www.stimulatingphysics.org/the-pilot-careers-and-enterprise.htm)

*A new enterprise activity for schools, the Ashfield Music Festival, was designed as a mechanism to broaden the perceptions of Year 9–10 students and to highlight the range of careers opened up by A level physics. Working in teams, students design all aspects of the main stage for a music festival.*

### **The Smallpeice Trust –**

[www.smallpeicetrust.org.uk](http://www.smallpeicetrust.org.uk)

*An independent charity providing exciting programmes to promote engineering careers to young people through in-school STEM sessions, and residential engineering courses.*

### **Young Engineers –**

[www.youngeng.org/](http://www.youngeng.org/)

*This charity facilitates national competitions covering ages 7 to 19, and a free national club network providing resources, advice and activities.*

## **Links for accessing STEM presenters and networks**

### **Royal Society of Chemistry –**

[www.rsc.org/Education/Teachers/Outreach/Outreach.asp](http://www.rsc.org/Education/Teachers/Outreach/Outreach.asp)

*Click on downloadable files for the RSC list of recommended presenters suitable for pre sixth form students and over 16s.*

### **Science Live –**

[www.sciencelive.net/](http://www.sciencelive.net/)

*Professional science and engineering communicators and committed enthusiasts. Co-ordinated by the British Science Association, supported by the Institute of Physics.*

### **UK Resource Centre for Women in SET –**

<http://theukrc.org>

*This site includes an Online Catalogue listing hundreds of useful groups, organisations and networks. The GetSET Women database can be used to search for female role models.*

STEM enrichment and enhancement activities can have a powerful effect on young people's learning and career development and foster their enjoyment of, and engagement and identification with, STEM related activity. Maximum value can be drawn through building in opportunities for students to reflect on their learning and explore the connections to and implications for their personal career decisions.