

Science, Technology, Engineering and Mathematics- Enhance and Enrich the Curriculum- Engage with SETPoint Cambridgeshire

These activities are supported by Science and Engineering Ambassadors (SEA's). SEA's are volunteers from industry and academia who wish to support the enrichment and enhancement of the school Science, Technology, Engineering and Mathematics curriculum. Typically these volunteers cost their company £350 per day to release. That is £350 worth of their expertise free to your school. Activities are curriculum linked.



Science and Technology Experience at Imperial War Museum, Duxford -12th June for Key Stage 3/4

Working in partnership with the Imperial War Museum, Dept for Learning, this day offers a unique learning experience with access to the Museum and hands-on Science and Technology projects. These include problem solving on stability and buoyancy, flight (from the RAF flight mission project) and aerodynamics, engineering and construction. Projects will be led by Science and Engineering Ambassadors (SEAs) from companies and institutions around the region. For teachers present, there will be Electronics CPD (see below).







This year SETPOINT DUXFORD is also working in collaboration with the Institution of Mechanical Engineers to introduce the 'IMEchE Engineering Challenge'.



This is a Hovercraft Build project for Engineering Diploma students aimed at those schools taking the Engineering Diploma in Sept. please contact Elizabeth Crilly at Elizabeth@setpointcamb.org.uk for more details on how to participate in the Hovercraft Project.

For all other SETPOINT DUXFORD bookings please contact Deborah Mason, The Department for Learning Tel:01223 499341, Imperial War Museum, Duxford

K. S. 3 Electronics

-  Key curriculum changes from September
-  Learn about Systems and Components
-  Tips to encourage and manage creative working
-  Hands-on session exploring control
-  QuickLink123+ Project Tools Teaching System
-  +Free Resources for your teaching

1 Hour Presentation by QuickLink Systems

Electronics CPD for teachers – Duxford Imperial War Museum- 12th June.

This workshop is open to all teachers attending the above event with pupils. It is also open to any teacher who may be teaching Electronics at KS3 in September. Please register for the training with

Melanie@setpointcamb.org.uk

This training is funded by EISS

Electronics in School Strategy: EISS Teacher Professional Development. Free workshop with


SETPoint Cambridgeshire, Manor Community College,
Arbury Road, Cambridge CB4 2JF

t: +44 (0)1223 448710; f: +44 (0)1223 448716;

SETPoint Cambridgeshire – Registered Charity No 291332

teacher cover paid and £50 worth of microprocessor kit for each school. SETPoint Cambridgeshire is the Electronics in Schools Hub. This Electronics Workshop is part of a novel electronics in schools development. Date booked for **19th May**, venue to be confirmed. Please email Elizabeth@setpointcambs.org.uk for further details. We aim to work with the D&T and physics teacher from each school. There will be further support and a microprocessor kit for schools attending this course.

SEE Sport, Ethics and Engineering of the Olympics. 10: 30am, 1st July 2008; Engineering Dept. An exciting free talk and demonstrations led by **Olympic High Jumper Geoff Parsons and Engineers** – From Learn by Design

The 'Sport, Ethics and Engineering of the Olympic Games' Lecture offers an exciting insight into the world of engineering and sport. **Funded by the Royal Academy of Engineering** and supported by the **British Olympic Foundation**. The lecture aims to highlight the presence of Engineering through sport and the ethical issues this raises. Please note there is no parking at the Engineering Dept. Buses and cars must drop off in Trumpington Road and park elsewhere:  To Book contact Melanie@setpointcambs.org.uk

Smart Materials Smart Move-Free 1 day conference for teachers by The Institute of Materials, Minerals & Mining - **14th May** Contact Melanie@setpointcambs.org.uk for details by the 25th April

Employer Engagement and Networks in Science –In response to last year's success. Hills Road Sixth Form College is organising and hosting, the 2nd 'Employer Engagement and Networks in Science' conference, on the **12th June**. Invitation will be sent out-For more details contact Ian Harvey on 01223 247251 or contact Ian at ICH@hillsroad.ac.uk



Photo competition In Peterborough: For details go to <http://www.greenenergyswitch.com/competitions.php>

2008 Wizz-Bang Science & Technology Roadshow For details go to www.wizz-bang.com

Nuffield
Science
Bursaries

SCHOOLS
& COLLEGES

AS Level – Nuffield Science Bursaries

Opportunity for AS level students to earn £75 /week for 4 weeks in the summer and do research with ARM and KODAK, Anglian Water and a Microbiology Dept. These projects are only open to state school pupils due to funding requirements.

We have two projects still available for students studying physics, electronics or technology at AS level.

ARM –based at Fulbourn in Cambridge-work with a novel microprocessor developing its use for school projects supporting the physics and D&T curriculum

Kodak-based at the science research park – Kodak would like a student studying Physics at AS level who has an interest in gaming and websites.

Anglian Water (Chemistry) and a Microbiology Dept. have also projects available

This is a

SETPoint Cambridgeshire, Manor Community College,
Arbury Road, Cambridge CB4 2JF
t: +44 (0)1223 448710; f: +44 (0)1223 448716;

SETPoint Cambridgeshire – Registered Charity No 291332

great



opportunity for your most motivated students to benefit from working along-side scientists at these research institutions.



Register your school for The BA CREST Awards, Bronze, Silver and Gold. Student project work judged by SEAs

For more details on any of these projects please contact Elizabeth Crilly at Elizabeth@setpointcambs.org.uk

For details and bookings contact Melanie@setpointcambs.org.uk
Tel.01223 448710

