

Welcome to the Industrial Trust Newsletter



The Industrial Trust is proud to announce its 10th Anniversary!

The Industrial Trust was originally created in 1997 by the National Trust to improve the understanding of Industrial Heritage and create a culture of enthusiasm for industrial endeavour and wealth creation.

In 1998, the Trust became an independent organisation, dedicated to the education of young people in all aspects of industry and enterprise and to inspiring and equipping young people for successful careers in organisations that develop and maintain the UK economy.

The Trust's method in all of its programmes is to educate and inform young people outside the classroom - in both companies and other locations, where curriculum learning is brought to life in a real-world context and in this way, address issues of de-motivation, disadvantage and geographical deprivation.

Key Achievements - we have

- provided over 180,000 educational experiences
- over 1,000 schools, colleges and universities and 900 companies working with us
- 93,000 visit opportunities available each year
- a presence in all English Regions and N Wales
- educational programmes for all ages from 8-21
- educational programmes for all industry sectors
- educational programmes covering the motivational spectrum
- established major partners
- become the largest provider of focussed out of classroom educational experiences in the UK
- achieved 98% teacher satisfaction with our programmes
- a Board of Trustees from senior positions in industry and education
- an experienced, skilled and dedicated team

10 Ways to Support the Industrial Trust - How & Why

1. **Get in touch** *How*; E mail us at this address info@industrialtrust.org.uk
2. **Out of Classroom Experiences** *Why*; Real Experiences Real role models Real jobs Real environment.
3. **Financial Support** *How*; Donation, Sponsorship, Contracts, Members
4. **Hosting** *Why*; Recruitment pool, Staff development, Community involvement Enrich education.
5. **Discover4Real events** *How*; Check out the website www.industrialtrust.org.uk
6. **Membership** *Why*; Opens doors/networking/profile/opportunities
7. **Benefit in Kind** *How*; Facilities/Equipment/resources/development
8. **Secondees** *Why*; Personal development, Profile, Corporate Social Responsibility
9. **Recommend Us!** *How*; To colleagues, associates, friends
10. **Volunteering** *Why*; Broaden horizons, support education, rewarding

MAJOR ANNOUNCEMENTS

Learning Grid Approved!

See page 3 for details



IT joins ETB!

See page 5 for details



Just a reminder...

The Industrial Trust Annual Technical Textiles Competition

The competition will be of interest to students aged 14-25 years, studying DT, Science, Engineering, and Textiles. The deadline for applications is **Friday 10th July, 2009**, for schools and, **Monday 10th August 2009** for Universities.

Please don't hesitate to contact tt@industrialtrust.org.uk if you would like further information, or visit <http://industrialtrust.org.uk/drapers.html> for the competition entry form.

New Appointment ... New Insight ...

Our summer newsletter is the perfect opportunity to introduce a new Vice-Chairman, Rosco Paterson. Rosco first became involved with the Trust two years ago before being appointed a non executive director at the beginning of 2008. Having his own businesses has allowed him the flexibility to increase his involvement with our work and he now has special responsibility as our key liaison point with our major sponsors and supporters.

"Having spent much of my career working with the boards of large companies I know how important training and development are at all stages of one's career," he says enthusiastically when explaining the work of the Trust. *"Being able to bring school education about businesses and industry to life by getting young people and companies to mix and learn in real situations is a unique asset in UK plc's toolkit especially in these challenging economic times."*

While it is clear that Rosco has great passion for taking the Trust's message out into commerce and industry, he also brings some considerable consultancy and governance skills to the board. After a career in mergers and acquisition with PriceWaterhouseCoopers and others, he established his own consultancy, ten years ago, in strategic and leadership development, has active involvement in several technology driven companies, is a member of the Council of the Institute of Directors and is a director of other not-for-profit organisations.

His main focus now is working with our partners and supporters to enable the Trust to flourish and grow in what are proving difficult days for the economy. He sees how the executive and staff have worked with over 175,000 young people and is often amazed: "I don't know how such a compact team gets through so much work and achieves so many results! If many of my purely commercial clients leveraged their resources the way the Trust does they'd be in the Fortune 50."

As the Trust celebrates its 10th anniversary and prepares to grow into a major 21st Century asset for young people, educators and industry alike, we are keen to explore all the new ways that we could grow and interoperate with friends old and new. **Rosco is always keen to talk 'business' and he can be contacted through the Trust offices or directly via his own office on 01737 852366.**



It's all happening down on the Farm!

You may recall our 'Farming and Science?' article in our Autumn/Winter 2008 Newsletter. Well the Industrial Trust is pleased to announce the Ernest Cook Trust has awarded additional funding to develop a unique learning opportunity for pupils and students in the South West.



Farms are an ideal location to put those classroom-based lessons in Maths, Science and Physics into practice, accompanied by some new and unusual odours and sights! Working in partnership with Nick Green and Nick Baker of Farmlink (a charity supported and founded by Alvis Brothers of Bristol), the Industrial Trust has developed in excess of twenty farm-based lessons that are linked to the national curriculum. Teachers can visit the Farmlink web site www.farmlink.org.uk and download complete lesson outlines, plan and then book visits via the Industrial Trust links or contact Mark Tinsley direct mark.tinsley@industrialtrust.org.uk

New Funding for New Area

The Norton Foundation has given a generous donation to support the development of Industrial Trust programmes within the West Midlands. This donation will support Open Industry and Open Horizons programmes for disadvantaged young people in the West Midlands area.

All Aboard... for the HMS Trincomalee Maths Trail

Scores of pupils have been enjoying an innovative new project, which takes maths out of the classroom and down to the Docks!

The trail demonstrates maths in a practical setting by posing a series of problems based around Hartlepool's Historic Quay HMS Trincomalee, the oldest ship afloat and the last of the commissioned frigates of the Nelson era, is at the heart of the unique learning experience. Pupils from Hartlepool schools tested the maths trail, which starts and finishes at Trincomalee after winding its way around the shops and artefacts of the recreated 18th century quayside.



Students working on a maths challenge



Students answer the final question...

The trail works by using quayside topics such as cannonballs, naval officers' hats, shipbuilding, traditional children's games and signal flags to bring maths to life in a fun and exciting way - even the menu at the Quayside Coffee Shop is used as a teaching-aid!

The idea of using one of the North East's most successful leisure and tourist attractions as an "alternative" maths classroom was thought up by Ben Haddon, Area Manager of the Industrial Trust and Christine Thompson, Manager of A4e, the branch of the education business link organization consortia (EBLOC), which organises work-related learning activities across the four local authority areas of the Tees Valley.

Partners included the education and museum and heritage departments of Hartlepool Council, the North East region of the National Centre for Excellence in the Teaching of Mathematics and Hartlepool secondary and primary school teachers.

If you would also like to bring a core subject to life and are interested in participating in visits of this kind, please contact info@industrialtrust.org.uk and your request will be forwarded to the appropriate Regional Manager.

It's Official...! (Continued from page 1)

Following an independent assessment, the Industrial Trust is proud to announce that its core activity of educational visits into business and enterprise has been assessed and approved by the Learning Grid. This quality mark has been granted following an independent assessment which found our Open4All programmes to be suitable for the enrichment of science and engineering education. We were told that the assessment panel was 'unanimously enthusiastic' about our programmes.



The Learning Grid developed its quality standard and assessment process for activities in the field of engineering and science education at the request of education and industry. Its aim is to provide teachers, lecturers and working engineers with independent assurance that a particular activity is fit for purpose. The quality mark is awarded by an independent panel drawn from education and industry.

Working Together



As part of our partnership with the Drapers Company, the Industrial Trust works along side other like minded charity organisations, one such organisation being the Smallpeice Trust. Smallpeice are running a brand new Technical Textiles residential course for students in Years 11 and 12 from 20 to 23 July at the University of Manchester. If you or someone you know is interested in learning about a range of issues such as smart materials, or even cutting-edge medical textiles, then this course is ideal for you. Visit www.smallpeicetrust.org.uk to apply. Or e mail Gemma Murphy gemmam@smallpeicetrust.org.uk

Stuff Happens!

Event the best laid plans can present unforeseen ‘challenges’! Fortunately, it rarely happens, but when it does, a member of the Industrial Trust team has turned the ‘challenge’ into a success. Here are a few true stories –

Breakdown: Returning from a successful visit the bus broke down on a busy roundabout and could not move. As the Trust had accompanied the visit, there was an extra adult to help shepherd the students safely back to the school - in time for an important class in the afternoon.

Late Cancellation: Upon having a school cancel their out of the classroom visit to a favoured venue 2 days before the event our area manager sprung into action! Having notified another school of this last minute opportunity the area manager then rearranged the transport and informed the company of the changes and as a result, 20 students had the benefit of an opportunity that would otherwise have been lost (and a valuable host was delighted their visit could go ahead as planned).

Orders, Redundancies, Disputes: The Trust keeps abreast of what is happening in its host businesses and agrees appropriate times for visits by schools. However, just occasionally a business has to cancel at short notice. This has happened because a company has received a sudden rush order and it is ‘all hands to the pumps’. In other cases, thankfully rare, it is because the company is involved in a trade dispute or redundancy announcement. As we are fortunate enough to have a selection of venues to choose from and maintain excellent relationships with our hosts, invariably we are able to make alternative arrangements at very short notice.

High Sprits: The vast majority of visits take place with well-behaved pupils but occasionally, there is a spot of inappropriate behaviour. Where such behaviour has occurred, the area manager not only witnesses how the school deals with the situation but also takes responsibility for keeping the host informed. On one occasion, we even assisted in escorting the high-spirited student back to the host-company to make and apology!

So, despite best laid plans, almost inevitably stuff happens and when it does.... the Trust is always on hand to save the day!

Its 3 in a row for Bristol...!

For the third year running, the Industrial Trust’s South West office has been successful in securing funding of £3800, from the John James Foundation of Bristol for the provision of 200 curriculum lead activities for Key Stage 2 and 3 pupils. Mark Tinsley, the South West’s Area Manager for the Industrial Trust, is extremely pleased that the John James Bristol Foundation has chosen to continue funding the work for pupils in the City of Bristol, as it allows for a level of sustainability that is very much part of the Trusts activities and objectives in the area.

During the previous funding period, in excess of 250 pupils from the Bristol area benefited as a direct result of this funding. A wide and varied range of activities were been specifically chosen to bring life to the curriculum and meet the learning points the schools requested. Visits included a trip to Rolls-Royce Forces and Motion workshops, where young people were shown how forces, such as drag and lift, are used in aircraft technology. In contrast, visits hosted by the United Bristol Hospital Trust explored how many careers, apart from Doctors and Nurses, are available within the NHS; encouraging the young engineers and scientists of the future to live and work in Bristol.

“inspiring life choices”
www.industrialtrust.org.uk

IT Joins ETB (Continued from page 1)

The Industrial Trust has signed a Memorandum of Understanding with the Engineering Technology Board, thus becoming founder members of a partnership of major educational enrichment organisations.

This will lead to an enhanced programme of engineering focused Educational visits into companies during the next academic year.

The other founding members are Young Engineers, Smallpeice Trust, Primary Engineer, and Engineering Development Trust.



Skeleton Education Challenge

On May 13th the 2008 World Skeleton champion Kristan Bromley and 2006 Olympic silver medallist Shelley Rudman launched the Bromley Formula ICE Skeleton Challenge at Hinde House School in Sheffield. Staff from the Industrial Trust South Yorkshire office attended and participated in this prestigious event.

Throughout the day Kristan, Shelley and Formula ICE engineers delivered workshops using virtual reality technology to give pupils a taste of the extreme winter sport of Skeleton Bobsleigh and a first-hand insight into its dependence on technology and engineering.

As part of the Formula Ice 2010 Academy programme launching later this year, the Skeleton Education Challenge provides a fun and interactive experience that inspires young people at the key decision stages in their educational career to become the next generation of engineers, scientists and technologists.



Shelley Rudman and Kristan Bromley with a pupil from Hinde House School

Bromley Technologies Ltd, based at the Advanced Manufacturing Park in Rotherham, is a world-leader in sports technology. Kristan Bromley said: "The Skeleton Challenge programme is not just a regional or national first – it's a world first! Learning about science, engineering and technology should be inspirational. We aim to contribute to that."

A New Challenge in Wales.

The Institute of Physics extended its 'Stimulating Physics' programme over the border into North East Wales. Designed to encourage students to choose physics as an option with a view to pursuing potential careers in science based industries, the programme followed a similar successful model developed in different areas of England.

The programme involved providing industrial visits for students from six schools in the Wrexham and Flint areas of North Wales. By the end of November 2008, six schools, from Ysgol Rhiwabon in the south of the region to Flint High School on the Dee estuary, had committed themselves to the programme. Also, by the end of the calendar year ten, companies including Sharp, Cadbury, Kelloggs and OpTIC Technium had agreed to host visits from local schools.

The Trust received fantastic support from the Reaching Wider team in Wrexham, who provided contact details, introductions and ongoing assistance with all the participating schools.

The pilot programme for North East Wales will reach a spectacular conclusion when Year 9 students from all six schools will take part in a taster day at Glyndwr University. University departments, Technquest (Science Discovery Centre) and employers will provide plenary sessions and a carousel of workshops covering a wide range of physics related topics - an ideal opportunity for younger students to get a flavour of the diversity of opportunities in STEM related subjects.

The 'Stimulating Physics' pilot has also established valuable links between schools and employers which will lead to continued, sustainable projects for all parties over the coming academic year



Past – Present – Future ... a message from the Chief Executive.

A 10th anniversary is a good time to reflect on how far we have travelled, where we are now and to take a look at our future direction.

Our first ever visit was for City School in Sheffield in July 1999. Stuart Bishell, the originator of our Open programmes, led teacher Claire Ward and 68 of her design students to VAI plc to experience what Engineering Design was really like in the work place.

Since that first visit we have organised thousands of similar, highly appreciated events for schools and colleges as we have expanded our services across England and now into Wales. In fact our records show that 180,000 young people and teachers have benefited from our work to date, 83,000 in the past 3 years alone.

While our core work remains in-company curriculum focused educational visits, schools and colleges also benefit from a range of other opportunities; from a 'world of work' event for a whole year group to many different employers, to a convention type experience for parties from many schools to discover the science and technology behind an industrial sector, to an intense programme for a small group of students to gain insights to employability and learning skills, to competitions where students demonstrate their expertise in an area of technology, and even to rather exclusive work experience placements.



EDF Energy

We find ourselves involved in some interesting projects too.



Rolls-Royce

For instance the Cripplegate Foundation and Argent Development have made it possible for 30 local students to participate in a 9 month project linked to the regeneration of the Kings Cross area of London. The students are completing a business challenge involving architecture, design, technology, engineering, construction, business and enterprise.

On a different scale the Yorkshire region has recently been involved in Family Learning sessions which to date have engaged over 2000 parents and children in learning sessions where they have experienced technology outside of school and seen career opportunities they may have never considered.

The Industrial Trust has grown in many ways: geographical coverage, the numbers we benefit and the variety of experiences available to students. We certainly have not stood still and there is every intention that we will continue to grow and develop. That is already happening of course.

You will read elsewhere in this newsletter about new partnerships with the ETB and the Learning Grid. Having partners that complement what we do provides an even richer selection of opportunities for schools to choose from to enhance curriculum learning.

We have always been driven by what the UK economy needs and our customers (Schools, Business and Supporters) want. These will continue to be the major influence over our activities. Over the next 10 years we will also focus efforts on providing repeat educational interventions for young people tailored to their stage of educational development, provide opportunities for the new diplomas and develop further impact evidence to support and improve our programmes.

One thing that will not change is the Industrial Trust's belief in its aims: to educate and enthuse all young people to aspire to careers in wealth generation and to help equip them with the skills and knowledge they need for successful and fulfilling lives.