

Why you need to visit

TEP at the NEC

Thursday 20th November
to Saturday 22nd November



TEP is once again taking a leading role at this year's D&T with ICT exhibition at the NEC Birmingham. The TEP stand is A58 / B08/A64 on the floor-plan and in the show guide. The show runs from Thursday 20th November to Saturday 22nd November and is, as usual, a great opportunity to pick up new ideas and resources from a range of exhibitors.

Visitors can collect a complementary TEP new resources pack and taking time to review new products, publications and teaching resources. TEP will be featuring the full breadth of support and activities available with an obvious emphasis on engineering and diploma activities.

TEP continues to lead the field in developing new design and making opportunities with new materials, processes and applications. This stretches from the technical aspects to pedagogical support for new and established teachers.

You will need to plan in your visit to the TEP stand and leave plenty of time to try some of the hands-on activities featured on various zones of the stand each and every day. During each day of the show visitors can experience the full potential of TEP's support for teachers, schools and colleges delivering the Diploma in Engineering.



TEP Stand

Exciting resources on the stand

The TEP team and staff from Teaching Resources will all be available to talk with visitors and demonstrate new products and resources during the show. On-stand mini workshops will run throughout the three days, providing some hands-on opportunities to try out some of TEP's desktop designing and making strategies.

● **Publications** - Available from the stand include the full range of free technical leaflets and technical bulletins supporting emerging and new technologies. The whole available back issue collection of TEP News and Views journal will be available. All of the new engineering support publications will be available for review and purchase. The TEP library including *Introducing Smart Materials* and *Engineering Materials handbooks* for schools and colleges is available too. Launched just two years ago, the *Guide to CAD/CAM in Schools* written by Bob Cater, contains a wealth of ideas and exemplars of good CAD/CAM practice. A number of earlier *TEP Millennium Schools Project series* of publications featuring Key Stage 3 projects from Bubble Blowers to Pods and the wonderful *Sheffield Hallam 3D projects* that include P'zaz, Strata, Geo and Fragrant Freebies are also available to collect.



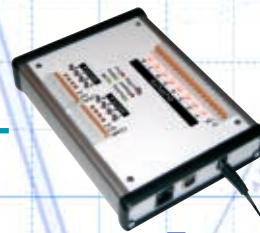
TEP - Publications

On-stand workshops and on-stand demonstrations and displays for 2008 include:

- **Desktop Motorsport** – Mark Harmsworth (TEP's newest acquisition) and Martin Clark from St Clement Danes will help visitors engineer and test their own slot car on the TEP track. Using a range of engineering materials and resources, this is set to be an absolute winner with schools, clubs and challenges. Tim Brotherhood from PTC will also be on stand to guide visitors through the CAD and related CAM process to get this started in school and college.
- **Showcase** – centre piece is the great engineering of the Gravity race programme that TEP featured last issue. You can catch up with the student centred work and some of the Gravity Race programme staff throughout the show.
- **Desktop Engineering** – Support for the advanced engineering diploma includes the all new Programmable Logic Control from TEP. This is an essential teaching aid for all following diploma based studies. TEP's Joseph Birks is on hand to demonstrate and provide a hands-on perspective.
- **Teaching Resources** will have a great selection of new and emerging materials and resources on display and of course a chance to talk to staff about products and try out the latest ideas. The TR zone will also feature the highly popular TEP bookshop where a fantastic selection of rare and hard to source design and technology books will be available to review.



Desktop motorsport



TEP - PLC



TEP - On-stand workshops



TEP - Engineering News & Views back issues and Technical Bulletins

- **Engineering support** – The long awaited Wind Turbine handbook, Engineering Materials handbook and the Loudspeaker Manual are all available at the show along with the teaching manual for the TEP PLC user guide and desktop guide to TEP's PCB factory.
- **Roto-Comms** – Allen Bower and Trish Colley will provide some timely input into an elegant and stimulating systems and control activity. Visitors can build and experiment with this low-cost approach. Combining simple electronics and some worthy desktop construction.
- **The new EE2 website** is fully featured at the show with a chance for engineering visitors to register for free membership and to review the new site in more detail. Website – live and interactive with streaming video and free web discs from the stand. The legacy TEP website www.tep.org.uk has become an absolute one stop shop for many schools, students and teachers. Make sure you stop by and collect a web disc and try out the site on the stand.

Frequent 'flyers' of the TEP site can catch up with almost all the site contributors and TEP associates throughout the three days of the show.

Seminars

Throughout the show TEP are fully featured in a programme of professional seminars that will prove a useful reference and focus for many visitors.

THURSDAY 20 NOVEMBER – 14:00 Room 1 Secondary Revitalising Systems and Control for the New Key Stage 3 Framework

Nick Baldwin, TEP Director, and Allen Bower, TEP Senior Associate

Sponsored by TEP

With Key Stage 3 revisions in mind, this session will allow you to review and participate in some practical activities, reflecting the need to drive up student creativity with quality resources, applications and exemplars. The session provides refreshing new ideas to literally light up schemes of work. Four new assignments and contexts with support notes will be available to appraise. Colleagues will select and take back to school and college evaluation kits and teaching notes.

FRIDAY 21 NOVEMBER – 11:00 Room 2 Secondary Desktop Motor Sport Engineering in Engineering Diploma and D&T

Mark Harmsworth, TEP Project Development

Sponsored by TEP

During this packed session visitors can review the new TEP and Pro/DESKTOP® and Pro/ENGINEER® engineering practice to ignite pupil and student imagination. This is race car engineering in miniature from body shell and chassis design to power-train, wheels and tyres. See the Slot Cars for Schools feature elsewhere in this issue of News and Views for more details. Closely mapped to Key Stage 3, Key Stage 4 and Engineering Diploma criteria, this provides a unique alternative to existing schemes of work. Delegates will receive a parts pack and handbook and have the chance to construct and 'test drive' their own back to school and college exemplar while at the show.

SATURDAY 22 NOVEMBER – 14:00 Room 2 Primary/Secondary Making Teaching and Learning Exciting and Effective - a new approach to AFL

Victoria Baggott, TEP Gatsby Teacher Fellow

Sponsored by TEP

Assessment for Learning is often misused as a tool for teaching and learning. In the context of Design and Technology, Assessment for Learning needs to be rediscovered and applied constructively. This seminar seeks to provide some answers to make the process an integral part of the design and make process. Delegates can take away exemplar material. TEP will also feature additional distance-learning material for downloading after the show.



Engineering Support



TEP – Website

neon

3D Jewellery projects
Sheffield Hallam University



TDI Awards – Work on display



Foremarke Hall



Design and technology for the next generation

Teaching Resources

The New Teaching Resources (2008-2009) Catalogue can be collected on the stand featuring all the latest tools, unique resources and low cost consumables we have become so used to. In any case if you simply want to freshen up your Key Stage 3 or 4 portfolio and revitalise engineering in your school or consortia then drop by the TEP stand for helpful advice and a some hands-on activity.



teaching
resources



If you cannot attend this year's event; all of the professional seminars and on-stand activities will feature later this year on the tep.org and ee2.org web sites. Do make best use of the TEP website to catch up with products, resources and ideas and at least have a virtual visit to the TEP/TR world www.tep.org.uk