

NEC Preview 2004

D&T WITH ICT SHOW, HALL 10 NEC, 18-20TH NOVEMBER

TEP are once again taking a leading role at this year's D&T with ICT exhibition at the NEC. This issue of News & Views is rolling out early this term so that you can plan in a visit to the show. The show is in Hall 10 of the NEC complex and the TEP stand A58/B08 on the floorplan and in the show guide.

What's happening on the TEP stand

Visitors to this year's NEC show should leave themselves plenty of time to visit our stand. TEP will be featuring the breadth of support and activities available.

» **PODs** – Plug and Yoke thermoforming products

» **PCBfactory** – improving quality and productivity in electronics work

» **Millennium Projects** – The full range of Key Stage 3 resources

» **Publications** – TEP resources including the new Key Stage 3 book

» **IRComms** – TEP's new Infra Red Communications resource

» **PIC Technology** – Use the new simple PICPEN programmer



Seminar Programme

As usual, TEP features strongly in the NEC seminar programme during all three days of the show:

Smart Materials

Thursday 18th -2pm Room 2

Despite increasingly rapid advances in technology, rarely do we see the emergence of an entirely new material. Quantum tunnelling composite (QTC for short) is a very recent creation - and all the more remarkable because TEP is able to make it available to schools just a couple of years after its discovery. This seminar will update you on the new TEP smart materials resources along with practical uses and samples to take away for your own evaluation and experimentation.

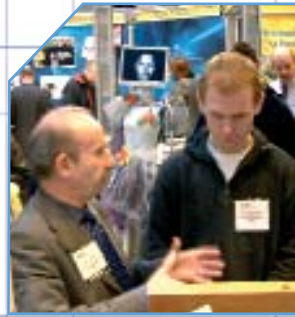
Simplifying PIC technology

Friday 19th – 12.15pm Room 2

Embedding intelligence and control into products is a crucial and growing expectation of almost all products we buy today. Using PICs, we are able to fulfill that expectation in pupil and students projects too. This seminar presents some exciting 'desktop' opportunities to integrate PIC work into departments 'hassle free' The session will cover:

- » **CFLS- Chipfactory Logic System programming.** A unique approach to PIC programming and free to schools
- » **PhonePIC- An appealing simple system using a mobile phone as an acoustic programmer and totally future proofed**
- » **PICPEN – Set to become the first and last word for ease of use across all the Key Stages**

TEP Team on hand



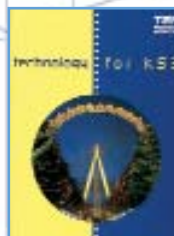
The TEP team and associates will all be available to talk with visitors demonstrate new products and resources during the show and to provide some hands on activities. 'On-stand' mini workshops will run throughout the three days. These will include a chance to try out some of TEP's desktop making strategies including POD thermoforming,

Pewter casting and our latest steam laminating process. Robotics enthusiasts are catered for with a wide range of legged and wheeled robots both PIC and remote controlled and a chance to build one during the day.

Key Stage 3 Projects

The latest TEP Evolution projects for Key Stage 3 are available to review including some exciting Jewellery development work from Marilyn Kenny and Penny Bailey and Jenny Dein TEP Teaching fellow from Sheffield Hallam will be enthusing and providing guidance, ideas and inspiration for all of us on the projects. Also featured will be the highly popular 'Millennium' schools projects for Key Stage 3. They provide useful starting points for project work and as drop-in focused activities into existing schemes of work. Visitors to the stand can review the work of the schools, associated publications and resources and collect copies of the units of work.

Pupil Showcase



A pupil showcase of work including CAD/CAM and Jewellery as well as some of the wonderful work from this year's TDi awards will also be at the show, celebrating innovation and technology from 13-19 year old students.

The full range of TEP PIC technology will be available to review including the groundbreaking new PICPEN system as well as our exciting new infra red communications resource. All the current TEP publications will be available to collect including resource leaflets, technical bulletins, catalogues, News and Views and of course the new Key Stage 3 book: **Technology for Key Stage 3**.

Visitors will have the opportunity to try out our PCBfactory that will transform electronics productivity in school. During the visit we would also encourage you to collect your complimentary TEP 'get smart' pack containing introductory samples of new resources.

Finally to wrap up your visit take a few minutes to explore the new TEP website that will prove an unbeatable mine of useful material for teachers and pupils alike. If you cannot find time to get to the show or visit the stand this year do drop in on the TEP website at www.tep.org.uk



▶▶ Pupil Showcase – celebrating pupils work

▶▶ TEP website – A chance to review the new TEP website

▶▶ Pewter Casting – Small components and parts

▶▶ Steam Laminating – Desktop wood products

▶▶ Robotics – Walkers, Crawlers and Rovers

▶▶ Smart Technology – Latest resources including QTC

▶▶ Desktop Jewellery – Great new ideas for Key Stage 3

Exploring the sub-skills of designing Saturday 20th – 2pm Room 3

The teaching of designing sub-skills has been identified as a key objective in the recently piloted National Key Stage 3 Strategy for Design and Technology. Research suggests that the teaching of designing continues to present many teachers with a difficult challenge. So this TEP seminar will:

- ▶▶ Seek to explore some of the factors impacting on teachers' ability to teach the sub-skills of designing
- ▶▶ Provide some exciting exemplars for introducing product design and analysis methods into Key Stage 3 and upwards
- ▶▶ Present a selection of materials from a flexible design 'toolkit', which has been developed to support teachers in the teaching of design sub-skills.