



NEC Previ

D&T WITH ICT SHOW, HALL

What's happening on the TEP stand at this years D&T show with ICT at the NEC?

TEP are once again taking a leading role at this year's D&T with ICT exhibition at the NEC. Visitors to this year's NEC show should leave themselves plenty of time to visit us. We will be featuring the breadth of support and activities available.

TEP continue to lead the field in pioneering new design and making opportunities and providing a solid raft of technical and increasingly pedagogical support for new and established teachers of D&T. TEPs portfolio of resources and materials is vast and quite simply, you need to plan in your visit to the TEP stand and leave plenty of time to try some of the hands-on activities and resources available.

Visitors should pick up a complementary **TEP new resources pack** and take time to review new products, publications and teaching resources.

Over 1900 schools have already joined TEP as full members and enjoy a wide range of resources and equipment. Over 10,000 teachers have attended INSET and presentations from TEP during the last four years. Increasingly TEP is working with ITE providers to enhance and broaden the experience of new entrants to the profession. The TEP team works closely with LEA's, advisors and other providers to ensure a regional and national programme of structured INSET and support for schools.

Exciting new 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 TEPs desktop making strategies.

Publications

Available from the stand are the **full range of (10) leaflets** supporting emerging and new technologies. The TEP Introducing **Smart Materials** book for schools is available to review as is the new **Technology for Key Stage 3** book available to review and order on the stand and will prove a useful asset for all D&T departments. It is lavishly illustrated and includes sections on product design, presentation, materials, structures, mechanisms and electronics in control. Our comprehensive **Technology in Practice** book aimed at Key Stage 4 is also on stand and remains a firm D&T favourite.

All of the acclaimed **TEP Millennium Schools Project** series of publications featuring Key Stage 3 projects from Bubble Blowers to Pods are available to collect. Supporting all this are the **3D projects** that include P'zaz and Fragrant Freebies and of course the first series of **TEP technical bulletins** 1-3 on Thermoforming, Steam Laminating and Pewter Casting.

Launched at the show on both the TEP stand and the NAAIDT stand will be the comprehensive new **CADCAM a guide for Secondary Schools** publication. This is a joint TEP/NAAIDT publication and contains a wealth of ideas and exemplars of good CADCAM practice. Written by Bob Cater TAW Chief executive and TEP associate this should prove essential reading for all colleagues. Bob will be on hand to discuss his new book with visitors.



▶▶ TEP Stand – Visual of how the stand will look



▶▶ TEP – Support leaflets



teaching resources



▶▶ TEP – Publications



▶▶ TEP – 3D Projects



▶▶ TEP – Technical Bulletins

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10 NEC, 17-19TH NOVEMBER



Visitors will also have the opportunity to try their hand on our **PCBfactory** that will transform electronics quality and 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 it is worth taking a few minutes to explore the new TEP website that will prove an unbeatable mine of useful material for teachers and pupils alike.

New Features for 2005

✓ On-stand workshops and on-stand demonstrations and displays will include:

- **Website** – live and interactive with streaming video and free web discs from the stand the TEP website 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.
- **Rocket Cars** – Once again Mark Harmsworth from Rhyl High school has turned one great TEP idea into another. This time, the TEP rocket factory has become the prime mover for a family of wonderful rocket cars. Linked to the new TEP high speed event timer this is set to be an absolute winner with schools and clubs and challenges
- A showcase of work by students from **Nottingham Trent** and pupil work from TEP schools and some of the wonderful work from this year's **TDI (Technology Design Innovation) awards** will also be at the show, celebrating innovation and technology from 13-19 year old students.
- **Super capacitors** and John Cook are almost inseparable it seems these days. John will be bringing along 'green' flying machines and a superb little green hovercraft for teachers to build test and take back to school. a compelling 'green' technology to embed in regular classroom use.
- **Robots and robotics** continues to play a large part at the show, with Keiron McGeever manning the **ROBOzone**. This year SUMObots and a new breed of Automaton will be added to Keiron's amazing collection of walkers, crawlers and creepers.

Seminars

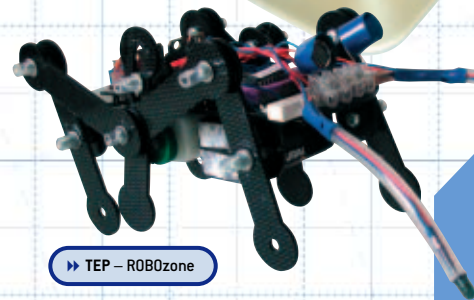
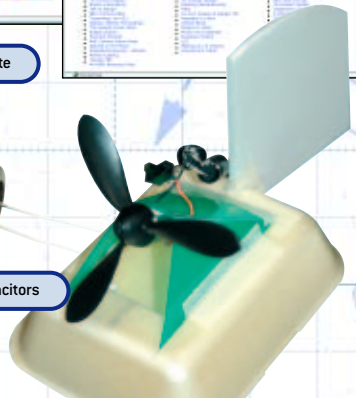
- After a tremendous year 'shaping the future' with TEP at Nottingham Trent University, **Allen Bower** will be on hand to discuss his final year student's work and the stunning new course at NTU. Allen of course will also be presenting his students **Teacher to Teacher virtual library** of unique Key Stage 3 and 4 material during the **Saturday 19th November seminar at 12.15pm room 3**. Delegates to the seminar will also receive a 3 disc DVD copy of the entire virtual library.
- **Nick Baldwin** will be taking colleagues on a brief overview of TEP's **PrESS Practical Electronics Support for Schools** resources in the **Friday 18th November seminar in room 2 at 2.00pm**. Low-cost components and reliable circuits are the key to raising pupil interest and expectations. PrESS seeks to achieve this with a core family of components, circuits and accompanying teacher guide. This seminar is an ideal opportunity for hesitant electronics teachers as well as leading practitioners to take back to school exciting ideas and exemplars for integrating low-cost 'hassle-free' desktop electronics back onto the D&T horizon. Delegates will take away sample-pack projects to try back in the classroom.



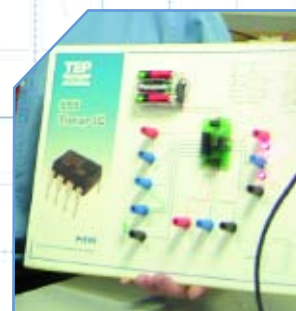
▶▶ TEP – Website



▶▶ TEP – Super Capacitors



▶▶ TEP – ROBOzone



▶▶ TEP – PrESS Project Boards

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NEC Preview 2005

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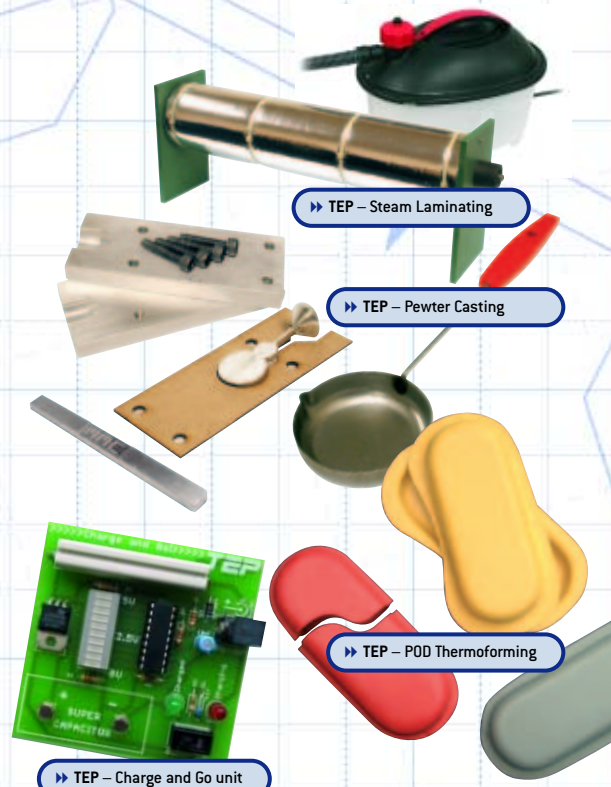
▶▶ TEP – News & Views issues

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- All available back issues of TEP News and Views can be collected from the stand. So if you are a keen PIC fan, Robotics, Smart Materials user, keen on some emerging design methods for the National Key Stage 3 strategy or simply want to freshen up your Key Stage 3-4 portfolio.
- The New Teaching Resources (2005-2006) Catalogue can be collected on the stand featuring all the latest tools, unique resources and low cost consumables we have become so used to.
- TEPs PCB factory is officially launched this year and will have an enormous impact on quality, productivity and in simplifying making printed circuit boards in class. Joseph Birks from Teaching Resources will give visitors the opportunity to try out its features. Included is a quick tool change for routing tools and drills. This wonderful resource will cut boards up to and larger than Eurocard size. PCB factory will handle PCB wizard and Gerber files exported from crocodile clips, Eagle and many other popular PCB packages.
- The highly popular Fragrant Freebies and P'zaz 3D projects launched by TEP this year will be available to view and sample during the show. Jenny Dein and Penny Bailey will demonstrate ideas and opportunities for using these lo-cost appealing projects.
- Matt Lear, Chris Canavan and Martin Clarke will provide advice and support and a chance to try out budget thermoforming shell structures using the TEP Plug and Yoke POD's system and budget pewter casting using simple laminated moulds. Great contemporary design and make opportunities in wood are also possible using our TEP steam laminating chest. The ingenious TEP POD saw will also be available to try out as well as the unique desktop circular saw that pupils can use!
- PIC work is strongly featured as always with some firm favourites as well as new ideas from TEP emerging this year. These include:
 - 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.
 - PENPIC – Set to become the first and last word for ease of use across all the Key Stages and the entry level Chip Machine programmer.
 - To wrap up the family is the all-new IQ² the successor to the popular IQ Board and featuring two inputs and four outputs – Stepper motor work and fully functional two motor projects are now possible with this great resource.
- The LM380 based TEP amplifier and loudspeaker project is on display as well as the stunning QTC, Quantum Tunnelling Composite resource. Supporting this will be the new Charge and Go unit to 'instantly' desktop charge super-capacitors and make them an essential addition to the classroom. TEP's national co-ordinator Frank Muraca will help visitors get to grips with these new resources.

▶▶ Teaching Resources – Catalogue



teaching resources



▶▶ TEP – Steam Laminating

▶▶ TEP – Pewter Casting

▶▶ TEP – POD Thermoforming

▶▶ TEP – Charge and Go unit



▶▶ TEP – Amplifier and Loudspeaker

For some colleagues, attending the NEC may not be an option. If that is the case do make best use of the TEP website to catch up with products, resources and ideas and make a virtual visit to the TEP/TR world.

➔ www.tep.org.uk