

INSET Update

Were you one of over 4000 teachers and student teachers who attended TEP training or presentations during the last year? If not, then take advantage of the courses available next year and the hands on opportunity provided and the back to school exemplar materials presented by TEP.

Key features of all aspects of TEP INSET events include:

- ▶ Availability of courseware to take back to school
- ▶ Associated TEP hardware
- ▶ Hands on practical activity
- ▶ Links to National Curriculum objectives
- ▶ Exemplar materials
- ▶ Ideas for implementation in curriculum
- ▶ Web based forum to support ongoing development
- ▶ Training that embeds a range of literacy, numeracy and IT issues within D&T
- ▶ Opportunity to review other TEP resources
- ▶ Attendance certificate and skills audit log
- ▶ Regional locations
- ▶ All follow up course material is available from TEP or Teaching Resources

This year there has been a particular demand for courses focussed on implementing electronics at Key Stage 3 and using the new TEP Millennium Projects, whilst our CAD/CAM training remains very popular. This is a result of the emphasis placed on creative design and quality manufacture utilising a range of CNC machines (See the separate CAD/CAM feature on page 10 for more details).

TEP INSETs provide a valuable opportunity to review the latest D&T resources and support courseware for Key Stages 3, 4 and 5. Most courses are one day presentations and workshops providing a 'can do' approach to using a new range of materials and resources available from TEP.

Courses can take place in school D&T departments and LEA teacher centres or alternatively TEP have a resource and training centre located at the University of Warwick, which is easily accessible via the motorway network.

TEP INSET is available direct from TEP or through LEA provision. INSET course fees are always reduced for TEP schools and teachers. Many LEA's recognize the value of regionally based INSET and have put in place a rolling programme of TEP led activities.

The TEP portfolio of current training and presentation opportunities includes:

- ▶ **CAD/CAM** Based on the National CAD/CAM initiative with a wide range of resource and exemplar materials for solid modelling in CAD and practical CAM opportunities on a range of CNC machines
- ▶ **Smartcard** Using TEP Smartcard technology and TEP's IQ sequential controller and Bit by Bit controller to address systems and control projects

- ▶ **PIC Chip and Chipfactory** Using TEP PIC programming technology for KS3 and KS4
- ▶ **PICAXE** Using Revolution's innovative PIC programmer system
- ▶ **ChipSet** A new concept in PIC desktop training with a self contained project board

Practical Electronics Support for Schools(PrESS):

- ▶ **KS3 Electronics** Aimed at delivering reliable low cost electronics projects at KS3
- ▶ **KS4 Electronics** A focus on systems and control circuits and instrumentation at KS4
- ▶ **Smart Materials** An update and hands-on projects using 'smart' and modern materials
- ▶ **Robotics and Animatronics** A range of resources and ideas for robots and control
- ▶ **Jitterbug** Using PIC chip technology a fun approach to control and programming
- ▶ **Millennium Projects** A wide range of KS3 low cost, high quality outcome assignments
- ▶ **Desktop engineering** Making use of low cost manufacturing resources and materials to develop a range of products and artefacts
- ▶ **Rocketfactory** Designing, making, flying and testing rockets

For further information on the above, please contact Teaching Resources on 01992 716052.

(But please note: details of the PrESS boards will be announced in the new catalogue and the next issue of News and Views.)

