

NOTTINGHAM TRENT UNIVERSITY

NTU

PGCE Design & Technology 2005

Teacher to Teacher - New ideas for Key stage 3 and beyond

Users of the TEP website can find an outstanding array of ideas and project material under the Teacher to Teacher zone on the site.

This material is new for 2005 and provides at this stage 30 all-new projects aimed at Key Stage 3 and Key Stage 4 teachers and students. The project ideas were developed by PGCE trainees at Nottingham Trent University. The students were tasked with developing the material and as part of their Subject Application Studies.

Each project has a short video outlining the nature of the curriculum project, which can be viewed in real-time or downloaded for use off-line. Additionally, each project has a range of supporting material including schemes of work, lessons plans and images which can be downloaded. Resources are wrapped up as a substantial PDF document for ease of download but provide a wide array of supporting documentation.

This simple locator identifies for ease of use the various sections in the web folder:

PIC/Control

- Spooky Messenger
- PIC Safety Light
- Bike Light
- PIC Alarm
- Mood Lamp
- PIC Clock
- PIC Ball Bearing Game
- Novelty fan
- Personal stereo disco lights

Textiles

- Hot water bottle cover
- Magazine Organiser
- Recycled cushion
- Designer Bag

Desktop

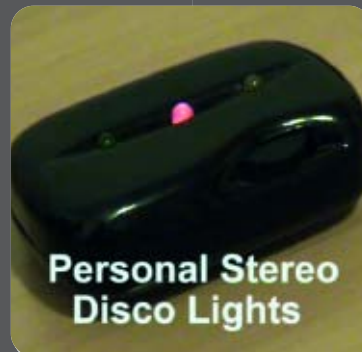
- Desk Tidy
- Shell Lamp
- Flower stem / table display

CAD/CAM

- Revolving Desk light
- Desk tidy x2
- CD Holder
- Money Box
- Clock

Resistant Materials

- Light Diffuser
- Tumbling Toy
- Tray level device
- TEP radio
- Picture frame
- Extending the TEP buggy kit






Embedded in the accompanying PDFs are pupil booklets and extension activities and handouts. The assignments are written with both the pupil and teacher in mind and contain detailed references to National Curriculum and in some cases detailed mapping. A number of the project feature detailed Schemes of work on a week by week basis covering 8-12 week assignments. Some students have also attached a text stream and notes to describe the context for such work and what will prove a particularly useful is the key literacy and numeracy references. Most of the projects have step by step notes and in some cases Power Point and publisher documents. As the documents are high resolution PDF individual elements can be cut and pasted into teacher documents quite readily.

Many of the projects don't simply fit neatly into single criteria. Many feature Control, CAD/CAM and desktop manufacturing skills. In particular, circuit diagrams, PCB layouts and flow charts are all easily located. Uniquely web visitors will also find parts listings and individual and class costing nested in the student notes.

TEP are delighted to have been able to support the students through this assignment and would like to thank all of them collectively and of course their evergreen course leader and TEP associate Allen Bower who developed the concept and managed all of the assignment featured.

Finding time to think about ideas for assignments or sharing ideas with fellow teachers is often difficult. This resource is a great starting point we hope will grow and become a widening forum of idea both new and not so new products, projects and assignments.

 TEP would be pleased to hear from ITE course leaders and strand leaders about student and trainee work that we might feature on the TEP website.

