

# TECHSOFT

## CAD/CAM Training Courses Spring Term 2012

### Course Venue:

Falcon House, Royal Welch Avenue,  
Bodelwyddan, Denbighshire, LL18 5TQ



Dear Colleague,

I hope the following courses at Falcon House may be of interest. In addition to the course content, there will be an opportunity for questions and to look at other CAD/CAM resources at our Head Office.

### CAD/CAM Overview

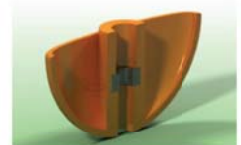
This full day course provides an opportunity to broaden your knowledge of CAD/CAM and understand how it can be integrated into your teaching. It will show by practical demonstration how 2D Design V2 and SolidWorks can be used to develop a variety of innovative projects for the KS3 – KS5 curriculum. Although not level or area-specific, the day will have relevance to all material areas in Design and Technology including Product Design, Engineering, Graphics and Textiles. Projects will be produced using the full-range of TechSoft machines including print-and-cut technique for graphics, laser image transfer, laser cutting and engraving, milling, rapid prototyping and knife-cutting. This is not a detailed training day on how to use machines and software (as such), but a chance to get some feel for the range of CAD/CAM technologies available, and some inspiration as to how they can support designing and making at a practical level.



Friday 10<sup>th</sup> February 2012 (9:00 – 3:30) FREE OF CHARGE  
Friday 16<sup>th</sup> March 2012 (9:00 – 3:30) FREE OF CHARGE

### Getting Started with SolidWorks

SolidWorks is a world-class 3D CAD system which has already established itself as a market leader for commercial 3D design and engineering. Its friendly interface, intuitive routines and comprehensive tutorials mean it has the power to revolutionize the accessibility and utility of 3D design in schools. This course is aimed at beginners and will get you started with basic modeling routines including; familiarity with the interface and drawing page; using Help features; developing a modeling strategy; using Sketch Tools and Feature Tools to extrude, sweep, revolve and loft base features for your model; applying secondary features such as extruded cuts, chamfers and fillets; editing models; creating orthographic drawings from models and producing assemblies from individual parts



Thursday 26<sup>th</sup> January 2012 (4:00 – 6:00) £45 +VAT  
Friday 27<sup>th</sup> January 2012 (9:00 – 3:30) £120 +VAT  
Friday 23<sup>rd</sup> March 2012 (9:00 – 3:30) £120 +VAT

## Getting the Best from 2D Design

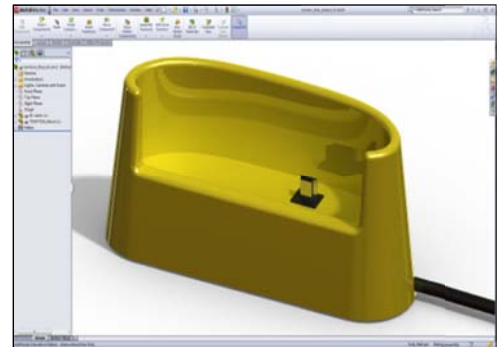
2D Design has been the standard for 2D CAD in education for many years and all the familiar 'technical drawing' tools within it are as relevant today as ever they were. The course provides an excellent way for Design & Technology teachers to sharpen their knowledge and explore how the new tools in V2 can be used to create stunning graphics, alongside or to enhance, conventional geometric drawings. New features will be demonstrated through the activity of creating a product and presentation sheet, and then delegates will have a hands-on opportunity to produce their own. A step-by-step guide will be provided which delegates may use for future reference (particularly useful for those attending a twilight session where time is limited).



**Friday 24<sup>th</sup> February 2012 (9:00 – 3:30) £120+VAT**  
**Thursday 8<sup>th</sup> March 2012 (4:00 – 6:00) £40 +VAT**  
**Friday 9<sup>th</sup> March 2012 (9:00 – 3:30) £120 +VAT**

## Getting the Best from SolidWorks

SolidWorks is fast becoming the standard for 3D CAD in education with hundreds of schools now using the software. The course provides an excellent way for Design & Technology teachers who already have experience of using 3D CAD, to sharpen their knowledge and explore how to get the best from SolidWorks. More advanced part modeling, assemblies, finite element analysis, photo-rendering and animation will be demonstrated through the activity of designing and making a product. Delegates will then have a hands-on opportunity to create the product themselves. A step-by-step guide will be provided which delegates may use for future reference.



**Friday 3rd February 2012 (9:00 – 3:30) £120 +VAT**

I hope you will find these activities of interest and look forward to welcoming you here at some time in the near future.

Yours sincerely,

Martin Rogers

Sales and Training Manager (North West)  
TechSoft UK Ltd., Falcon House, Royal Welch Avenue, Bodelwyddan, Denbighshire, LL18 5TQ.

**TO LEARN MORE ABOUT CAD/CAM VISIT [www.techsoft.co.uk](http://www.techsoft.co.uk)**

**To book a place on any of these courses, please contact TechSoft UK Ltd**

**on [01745 535007](tel:01745535007), or email [sam@techsoft.co.uk](mailto:sam@techsoft.co.uk),**

**or book online [www.techsoft.co.uk/training](http://www.techsoft.co.uk/training)**

***Places will be limited so please book early to avoid disappointment.***