

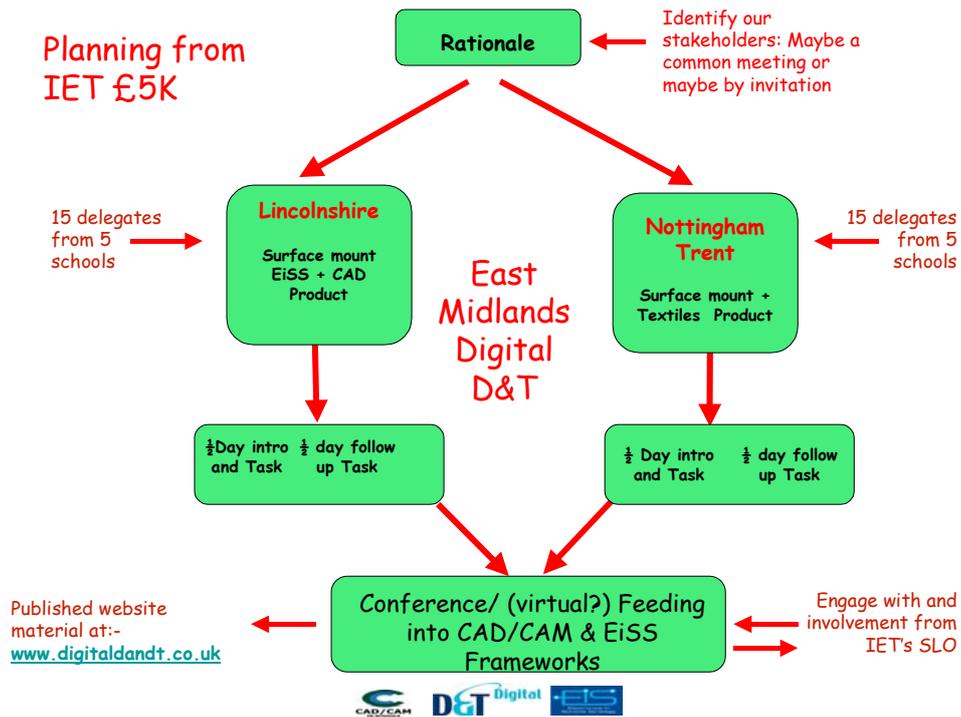
Project overview

East Midlands Digital D&T centres have been successful in applying for a £5K bid from the IET to undertake a pilot study to investigate using emerging school based technology to develop sustainable curriculum development projects within Design and Technology. For full details of the bid proposal please e-mail les@ideasin2action.co.uk

East Midlands Digital D&T support centres are located at 3 venues across the region. The Nottingham Trent University Centre is managed by Andy Cooper and supports EiSS, CAD/CAM and Speedstep elements of the project. The Vale of Ancholme Centre at Brigg is managed by Mike Finney and is a CAD/CAM support centre and also houses the region's 3D printer. [\(Click here for a powerpoint overview of Rapid Prototyping\)](#) [\(Click here for a video of Dimension 3D Printing\)](#) Ideas In2 Action Design Consultancy in Metheringham is an EiSS support centre and is managed by Les Porter.

This area of the website looks at a series of case studies undertaken by the 10 schools involved in the pilot study. 5 schools were recruited from the areas supported by Nottingham Trent University, 3 schools were recruited from Lincolnshire and 2 schools from North Lincolnshire.

The diagram below shows how the project will develop and how it's outcomes will be fed to the wider D&T community.



Within Design and Technology sustainability of curriculum development has always been a problem. Over the years many excellent curriculum development projects have helped with the growth and development of the D&T subject area. It has often been the case that curriculum development has been undertaken by one enthusiastic member of a departmental team and when this teacher has left the school, the material is left in a cupboard and the emphasis of the development drive dies.

Within this project each school has been asked to provide three members of staff, one interested in electronics, one interested in CAD/CAM and or Textiles and a departmental technician. Each member of the team has equal ownership of the project development and in the case of one team member leaving the school it is hoped that the remaining two would recruit a replacement member of staff to replace him/her.

The Lincolnshire element of the project has decided to develop a product design approach that uses surface mount technology for electronic circuit design and development and then embed the outcome in a 3D printed prototype.

The Nottingham Trent element of the project has decided to use a similar starting point using surface mount technology but then develop the outcome into a textile focused product.

The Powerpoint used to inform participating schools and their Headteachers about the Digital D&T initiative and its pedagogical issues can be accessed by [clicking this link](#).