Technology Enhanced Learning (TEL):
Practical ideas for practice

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With student teachers currently studying on the BSc (Hons) Design and Technology with QTS course.
For Staff:

Basic introduction to a range of TEL including Prezi, Blogs, QR Codes and Augmented Reality!

Have the opportunity to practically engage with the TEL applications

Obtain the students perspective of working with TEL, rather than receive my account their experience

Explore with the students the specific advantages and disadvantages associated with these approaches

Have space to consider how you could use some of the TEL applications

For Students:

Through discussion, reflect upon your own learning, consider how you may move this aspect of your learning forward

Consider how you could use TEL to engage, motivate and improve the learning of children

To rehearse the delivery of TEL prior to undertaking your final block teaching placement, and perhaps identify previously unforeseen issues associated with the learning, teaching and Delivery of TEL

Reinforce your own teaching skills

Make sure you include this workshop on your CV and in letters of application for your first teaching post
Context:
The module requires students to design a ‘futuristic’ concept product. The aim was to utilise new technologies to explore the potential to enhance both the student learning experience and module outcomes.
Managing Learning Technology

• Not all TEL will be of use to you, TEL is supposed to ‘enhance’ learning so if it doesn’t don’t use it.

• The TEL applications introduced today won’t be around in two years time.
Many thanks to all of the trainee teachers who given up their time to be here today to facilitate this workshop.
Ideas for using Technology to Enhanced Learning (TEL)

Points to think about and useful links...

- The use of TEL should do as it says – enhance the learning – if it doesn’t then don’t feel the need to use it!
- Whilst these are new and therefore have a ‘novelty’ value they should not be used as a ‘gimmick’.
- These emerging technologies are just that – emerging – and they won’t be ‘new’ in 12/18 months time. So as other ‘new things’ emerge please enjoy exploring (and experimenting) but please also be careful to check out websites fully yourself before passing links onto others, especially children.
- Avoid death by PowerPoint™ (just as you would Power Point)
- All of the software I’ll show you is free, and available via the Internet.

Some useful links:

**QR Codes:**

  - There are lots of others find the best one for you.
  - Can be used to give out HWK, you can link QR Codes to You Tube videos to support the production of HWK, also think of the potential for applications for use with EAL and differentiation

- [prezi.com/](http://prezi.com/)
  - A nice alternative to PowerPoint. Be careful not to overuse!

Augmented reality:

- [www.aurasma.com/](http://www.aurasma.com/)
  - You will need a suitable phone / tablet for this one but it really is worth playing with if you want to make an impact of placement. Also see:
  - The Matt Mills TED (June 2012) You Tube clip which explores image recognition technology: [http://www.youtube.com/watch?v=m2yQClpM](http://www.youtube.com/watch?v=m2yQClpM)

...and if you have any other good ideas or find something I don’t know about please let me know! And thank you for your time today @

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Using ‘markers’ you can view 3D augmented images. With this software some trainees plan to design and model their work virtually and using a marker system like this are able to view their work without having to make a physical model.
Download the app and hold it over the image to view.
CHRISTMAS made fabulous

Watch her journey tonight
ITV1, after Coronation Street

Bring her journey to life now
Download the FREE Aurasma Lite app
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DEBENHAMS
There are a growing number of ‘apps’ you can download and use to create your own augmented images, however thus far we have had considerable success with ‘Aurasma’. Using this free software it is very easy to create your own Augmented image or location aura.

The trainees will be using the Aurasma software to create their own, and produce later on in the year an ‘Augmented Reality Exhibition’. An example of a location aura, created by Rob can be accessed via the link below.

Here he demonstrates in this short clip how we have used Aurasma to create an instructional video for trainees on how to use our new laser cutter:

http://www.youtube.com/watch?feature=player_detailpage&v=DK-xhkq86i8
In this clip Jennifer Jones (Rob’s daughter) demonstrates one potential educational application whilst on teaching placement at Bleak Hill Primary School. Trainees who have helped with today’s presentation will be undertaking exploratory use of AR during their placements in the New Year.

The You Tube link is: http://www.youtube.com/watch?feature=player_detailpage&v=YaCp_u6sbU