



Ensuring good returns on investment when deploying new technologies

This presentation begins with two hypotheses. Firstly that too many school ICT projects fail to deliver sufficient impact. They may yield benefit, but less than could be expected. In other cases no benefit will be gained and in some extreme cases the project may have a negative impact on educational outcomes. The second hypothesis is that whilst there are many environments where people have to work under pressure, schools nevertheless fact particular challenges when trying to encourage professional development and change.

The presentation suggests a technology procurement process and explores how the different stages impact on making successful changes in the classroom.

The process can be described by the mnemonic VOSPIR - vision, desired outcomes, success criteria, procure, implement, review.

CPD and support is often a crucial component of success. Needs will change over time, but can include initial functional training, support for initial use and consolidation of skills, professional reflection, leading on to extension of skills and professional practice and finally embedding as a part of "business as usual".

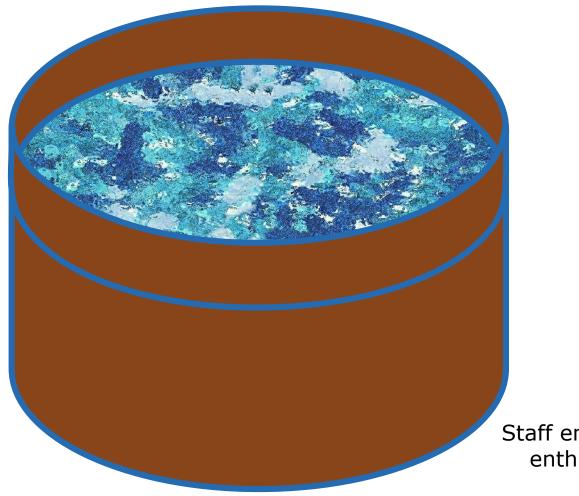
In conclusion, leading and managing ICT projects successfully is summarised in these four bullet points:

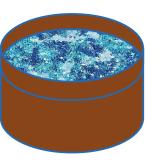
- Vision
- Desired outcomes/success criteria
- Effective CPD
- Active management for outcomes

Author: Mark Baker Director, Education Vision Consultancy Ltd © Mark C Baker, 2012, all rights reserved



Baker's two pots conjecture

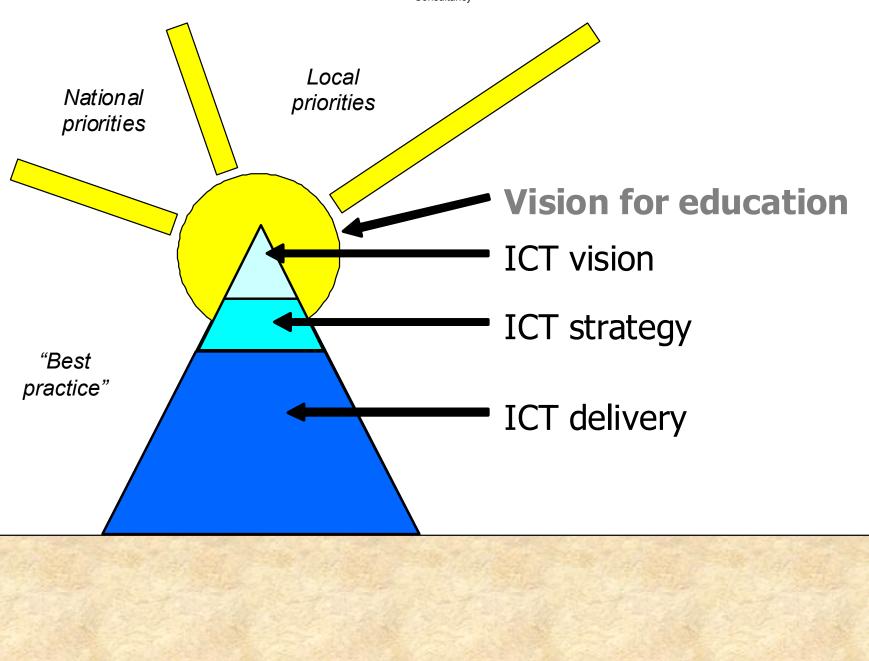




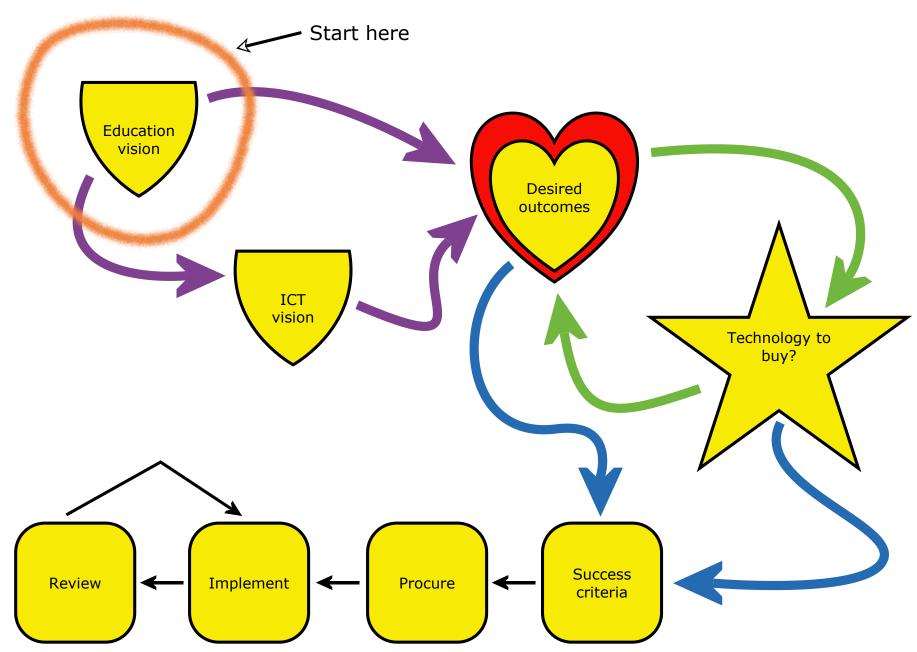
Management capacity

Staff energy and enthusiasm

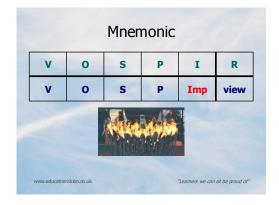










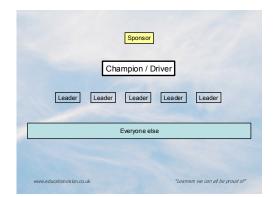






Everett Rogers adoption of innovation model





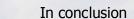
Kotter's 8 step model (1995)
Establish a sense of urgency Form a powerful guiding coalition Create a vision Communicate the vision Empower others to act on the vision Plan for and create short-term wins Consolidate improvements and produce still more change Institutionalise new approaches
www.educationvision.co.uk "Learners we can all be proud of"

Little hurdles, big impact

Manage risks AND benefits

What about CPD and support?

If it's worth doing, it's worth doing properly



Management for success

- Vision
- Desired outcomes/success criteria (project focus)
- Effective CPD
- Active management for outcomes

www.educationvision.co.uk "Learners we can all be proud of"

What is a project's horizon?



Dimensions of change



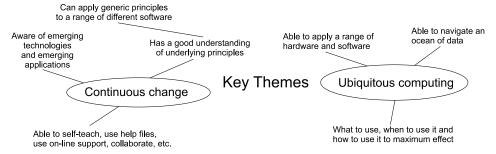
Jacqueline S. Thousand & Richard A.
Villa
Managing Complex Change; 2001

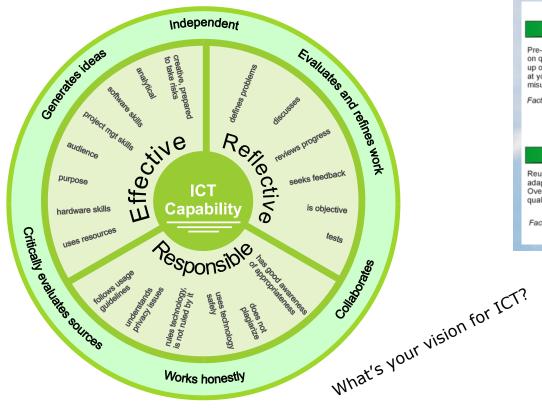
This material was originally published by Becta or its predecessor organisations and has been made available under the Open Government Licence.

Any enquiries regarding the use and re-use of this information resource should be sent to e-mail: psi@nationalarchives.qsi.qov.uk



A Personal Vision for ICT © Mark Baker 2011





Technology can enhance learning or detract from it -

Data projectors – Enhance/detract

Pace

Pre-prepared resources mean you can move on quickly, without losing time writing things up on a board. Having a bank of resources at your fingertips makes it easier to deal with misunderstandings as they arise.

Going through a large number of similar slides at a set pace.

Factors: Resource flexibility (what you show on the screen), teacher flexibility (how you use your materials), maintain a variety of other activities.

Resources

Reuse and refine resources over time, adapting them to suit particular groups. Over time, build up a bank of high quality teaching materials.

Repeatedly reuse the same limited resources, year after year, with groups of differing abilities. Spend lots of time creating attractive visual presentations and less time planning engaging student tasks.

Factors: Building up level of ICT skill, designing resources to target particular learning objectives, designing for clarity, identifying key concepts and key vocabulary.