

CESI Conference 2009
Saturday 14th February



Michael Cox
Technology Services

7 Keys to Improving the use of Technology In Your School



7 Keys to Improving the use of Technology In Your School

It doesn't matter how or why you are where you are, what's **important** is that you know where you **want to go** and what the **first step** is.



7 Keys to Improving the use of Technology In Your School

1. Budget
2. Strategy
3. Support Framework
4. Infrastructure
5. Online Resources
6. Integration
7. Start

Key 1: Establish an IT Budget

- Not having a budget doesn't mean you don't spend money
- A budget is a plan for spending and is not the same as funding
- How much money did you spend last year?



*If you spend €10k per year on IT,
do you really want 40% of it
to be on Ink jet cartridges?*

Key 1: Establish an IT Budget

IT Spend	Amount	% of total
Hardware - PCs - Printers - Peripherals - Network		
Software		
Connectivity		
Support		
Consumables		
Training		
Total		



Key 2: Publish an IT Strategy

“Begin with the end in mind”

– *Stephen Covey*

- If you had an unlimited budget to put in the perfect IT solution for your school, what would it look like?
- PCs, Laptops, Printers, Networks, computer rooms, projectors, interactive whiteboards, teacher training, support arrangements.

Key 2: Publish an IT Strategy

Now what's the first step?

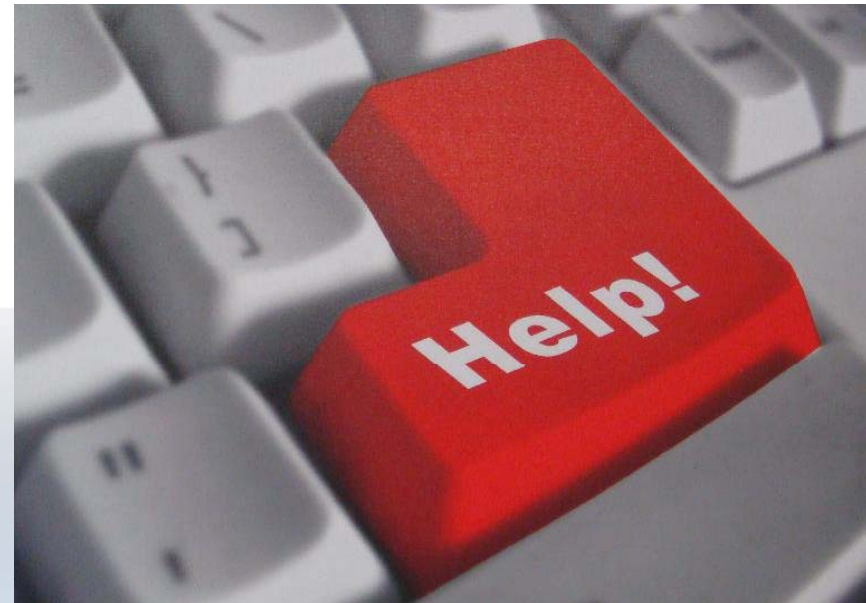
- Structured Cabling / WiFi
- 5 PCs at the back of every classroom
- Every teacher with a laptop, data projector, wireless keyboard/mouse/tablet
- A Computer room with 15 PCs
- A laptop trolley with 15 WiFi enabled Laptops
- A support arrangement with a local IT company

It's easier to raise funding when you have a published strategy

Key 3: Setup Support Framework

IT Support Roles

- Administrative
- Technical
- Managerial
- Strategic



Key 3: Setup Support Framework

IT Support Resources

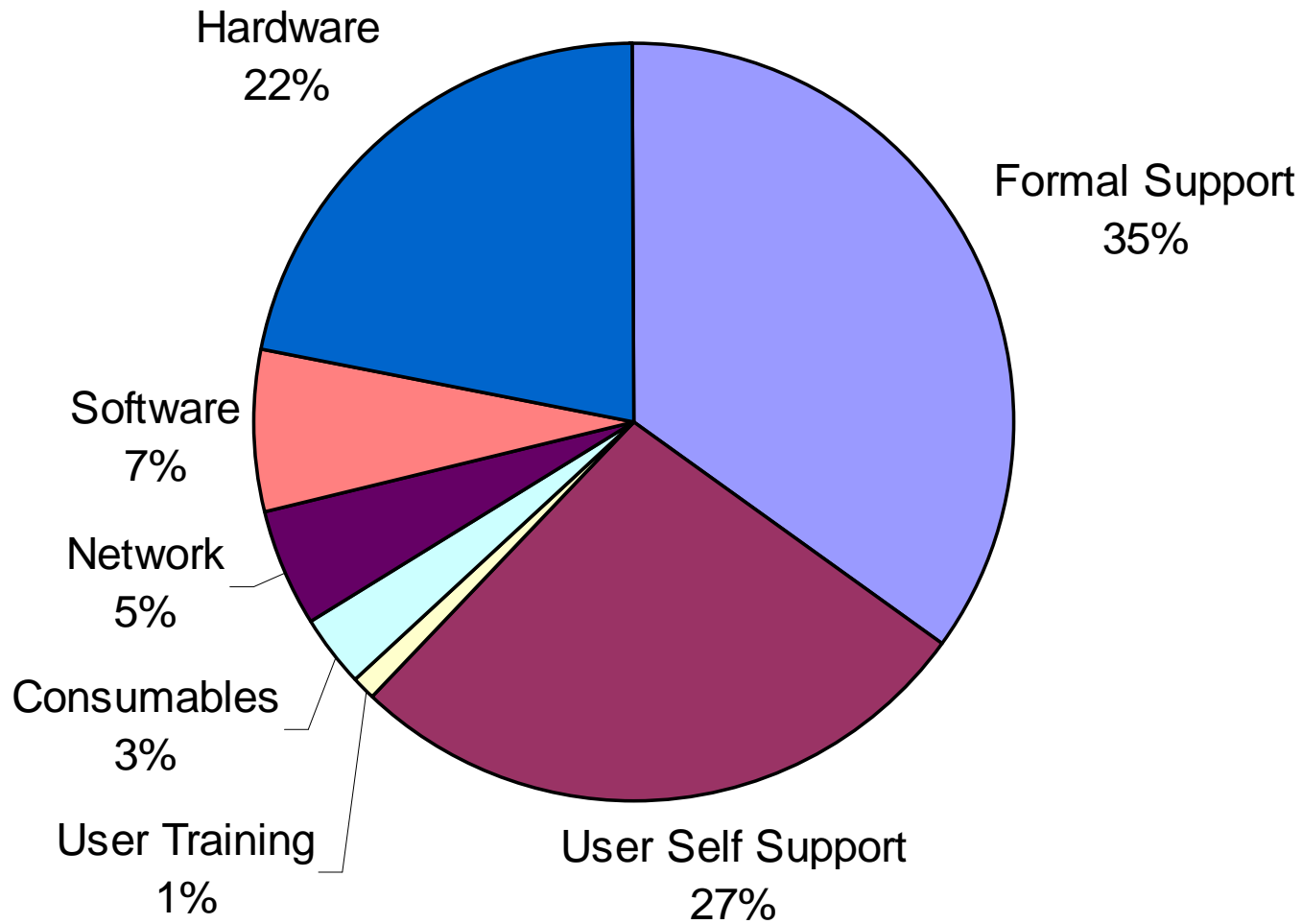


Internal	External
ICT Coordinating Teacher	Local IT Company
Principal	Volunteers / Parents
Teachers	NCTE
Office Administrator	Local Third level
Technical Staff	Ex Students
Students	



Key 3: Setup Support Framework

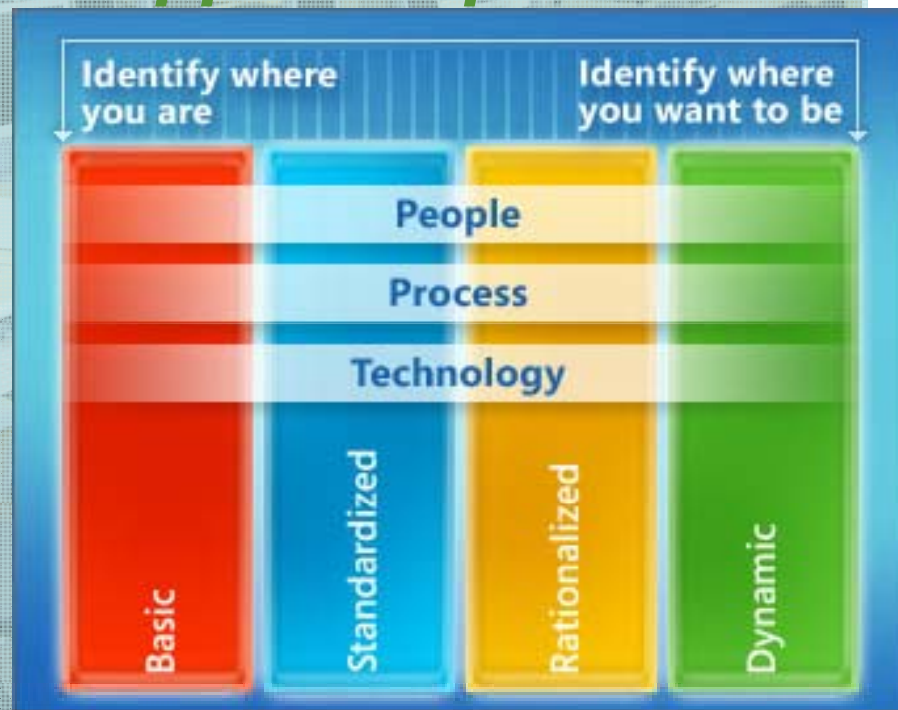
Total cost of ownership of ICT in UK Secondary Schools



Key 4: Improve Infrastructure

There is a direct link between the quality of the IT Infrastructure in a school and the amount of support required.

- Where are we now?
- Hardware Inventory?
 - PCs/Laptops
 - Peripherals
 - Printers
 - Student:PC ratio
 - Age of PCs
 - Replacement cycle



Key 4: Improve Infrastructure

How can we improve our installed IT base?

- It needs to work. Better it's not there than not working
- Keep it simple
 - Server why? Outsource email and other services.
 - Software
 - Projector v Interactive Whiteboard
- Set Standards and work towards them
 - Minimum memory, Win2000 or Windows XP
 - Maximum age of a PC – Over 7 years dump.
 - Structured cabling
 - Switches rather than hubs

Key 5: Identify Online resources

- In a time of low funding, should schools spend money on software?
- There are an endless amount of educational resources and Open Source software online.
- How can we source and share in school and between schools? Blogs, School websites, Scoilnet etc.



Key 6: Integrate IT into teaching & learning

- How do we integrate technology into the way we teach?
- Internet resources, Printers?
- Student interaction. Computer rooms. Laptops & Data Projectors?
- White boards? Pod of 5 computers in the back. In twos. Computer room Quiz.
- Search find the resource/answer.
- Asynchronous: Games with top scores (Brain training)

Key 6: Integrate IT into teaching & learning

- Online resources with every new book
 - Dedicated to the teacher
 - DVDs, PowerPoints and lesson plans etc
- Share what works among teachers
 - Blogs, websites, RSS feeds, eNewsletters
 - iGoogle, Delicious, Twitter, Stumbleupon
 - Virtual Learning Environment
 - NCTE - Scoilnet
- ICT Framework from the NCCA



Key 7: Get Started

- Fear or Lack of confidence
- The journey of a 1000 miles begins with one step
- There are many paths to the top of the mountain, but the view from there is the same
- Prioritise, Set goals, make a phone call, send the email, write a document.
- Start with any of the steps
- Just do it

7 Keys for improvement

1. Establish a IT Budget
2. Develop and publish an IT Strategy
3. Setup a Support Framework
4. Begin to Improve your Infrastructure
5. Identify & Share Online Resources
6. Integrate IT into teaching & learning
7. Get Started

Thanks for listening



Michael Cox
Technology Services
mcox@tippinst.ie
086 821 7000





Internet Experience in Education Conference 2009

Comhdháil um Eispéireas Idirlín san Oideachas 2009



INFORMATION FOR

- Current Students »
- Potential Students »
- International Students »
- Business and Community Groups »
- Employers »

INTERNET EXPERIENCE IN EDUCATION CONFERENCE 2009 - HOME

Innovation in the adoption of ICT in the classroom continues at a rate never before seen in education. Tipperary Institute once again provides you with an opportunity to experience a showcase of emerging technologies in the classroom. This years event will focus on:

- Innovation in Teaching Technology
- Infrastructure

FEATURES

- SMS
- IM Support
- News
- Calendar
- Gallery
- Poll
- Podcast
- Videos
- Games

ALUMNI CAMPUS CAREERS

LINKS

- TI School Liason Service
- www.ncte.ie
- www.teachnet.ie
- www.scoilnet.ie
- www.schoolsnet.com
- www.edunet.ie
- www.skool.ie
- www.ippn.ie
- www.schoolzone.co.uk

www.tippinst.ie/schools

Online » PDF

INTERNET EXP. 2009

- Conference Home »
- Programme »
- Speakers »
- Previous Conferences »
- Location »
- Useful Links »

Email: schools@tippinst.ie

2008 Success

The 2008 conference attracted over one hundred teachers from primary and post primary schools and once again this year, delegates will get the opportunity to meet teachers, principals and education specialists from around the country at Tipperary Institutes's Thurles Campus.

[Schools Liason Section >>](#)

(Information on our schools programmes and visits)