



World Links for Development

Implementation and Financial Issues



Dealing With Change Activity



Essential Components

The framework to develop an ICT infrastructure plan must integrate the following items:

1. Finance, Administration and Facilities
2. Computer and Communications Hardware and Software
3. Professional Development and Training
4. Curriculum Support and Technical Support
5. Content Development and Integration



Financial Considerations

Two fundamental questions:

1. What are the costs?
2. How will these costs be paid?



Essential Components

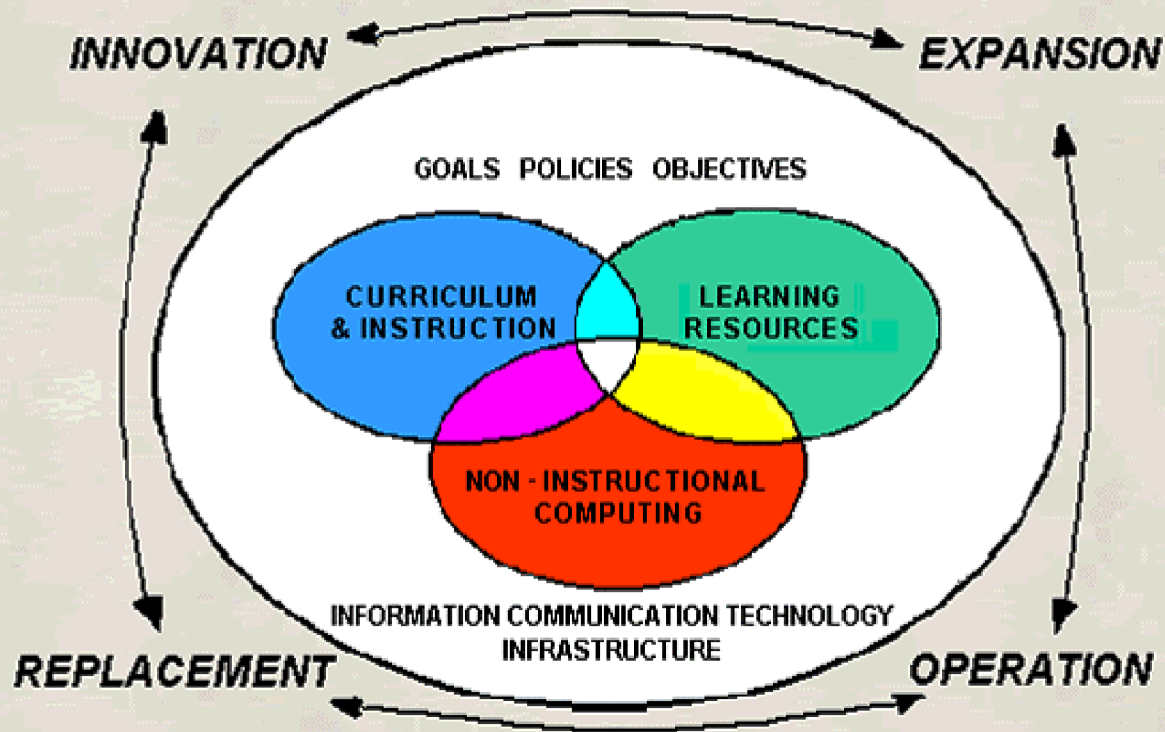
- Computers and other hardware
- Connectivity
- Facilities
- Content
- Training and Professional Development



DAY 1
INFORMATION AND COMMUNICATION
TECHNOLOGY - ICT



THE INFORMATION & COMMUNICATION TECHNOLOGY LIFE CYCLE



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Essential Components

For each of the three areas

- Curriculum and Instruction
- Learning Resources
- Non-instructional uses

there are applications:

- teaching and learning software
- Administrative software
- Off site data and software
- Online resources and activities

- Connectivity costs



Financial considerations

- One time costs are the easiest
- Lots of ongoing costs
 - connectivity
 - licenses
 - training
 - professional development
 - repair/replacement/upgrades
 - new opportunities will be ongoing



Who might pay?

- Any combination of the following:
- National Government
- Regional or local Government
- Individual Communities
- Individual Schools
- Individual learners through tuition
- Private industry through partnership agreements



Other Factors to Consider

- Centralized Versus Decentralized
- Can apply at all levels from school to national



Other Factors to Consider

- Centralized vs. Decentralized
Some of the issues are:
 - Centralized can increase system unification
 - Decentralized can increase local commitment
 - Centralized requires larger initial investment
 - Decentralized can require more maintenance
 - Decentralized may cause disparity between schools
 - This is not an 'all or nothing' issue



Other Factors to Consider

- Connectivity Infrastructure
- Who has the mandate to provide connectivity?
- Does government beliefs affect basic connectivity infrastructure standards?
- Should schools provide basic ICT connectivity to local communities?



Other Factors to Consider

- Once responsibility is accepted centrally it will be difficult to return to a decentralized model
- Future technologies are difficult to predict
- Decisions need to be made now and remade in the future
- Many facilities were not designed for ICT infrastructure



Other Factors to Consider

- Purchase software outright or license use?
- With each new application, new training may be required.
- How much change in how short a time?



Financing and ICT Project Activity