Managing information and communication technology (ICT) in schools

Steven Vella, DER-NSW Technology Support Officer; and Doctor of Information Technology student, Charles Sturt University, NSW.
Introduction
Managing Information and Communication Technology (ICT).

Rapidly changing global industry

Ethical challenges

• Are they recognised?
• Then what needs to be done?
National Digital Education Revolution

National Secondary School Computer Fund

- Between 2009 and 2013
- 967,000 mobile devices
- Year 9 to 12 students across Australia

“The Commonwealth is providing funding for the National Partnership on the digital education revolution. This National Partnership was established to prepare students for education, training and to live and work in a digital world.”

Ethic skills and techniques

Ethics theories
- Classical utilitarian, contemporary deontological among others

Tools
- Reasoning software (e.g. Rationale 2)
- Australian Computing Society (ACS) code of ethics and professional practice
- Ethical decision making process
- Professional ethics theory
- Doing ethics technique
Learning ethics

Are the skills and techniques in common-use among ICT professionals?
What influences the learning and application of ethics?

• Culture, Finance, Language and Examples used

Managing ICT in Australian Schools

Consider

• Location and sector of schools
• Changed environment for learning
• Others in the education sector
Location and sector

For each state
Government, Independent and Catholic Sector

For example:

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Flexible Funding is used to accommodate students with disability who may not benefit from standard computers.

Changed environment for learning

Consider mobile and ubiquitous technology in the hands of children

Research in education and ethics approvals:

- No longer able to assume the learning environment is fixed or controlled.
- Boundaries greyed such as participation, teacher roles, informed consent, age appropriate materials, privacy, authenticity and outcomes.

Others in the education sector

Evolving research on teacher education

• The language in courses influence the teacher, teaching involves human experiences and complex relationships

Ethical issues emerge

• That overlap with ICT management: When an ICT policy or procedure does not address a local issue there is a need to refer back to the school

Q & A

Managing ICT

Q & A

National Digital Education Revolution (DER)

Examples

Learning ethics

Ethics based skills & techniques