

CONNECTED EDUCATION

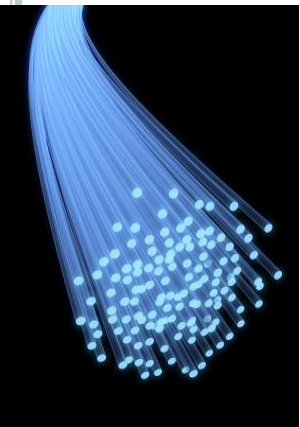
THE CASE OF THE WELLINGTON LOOP



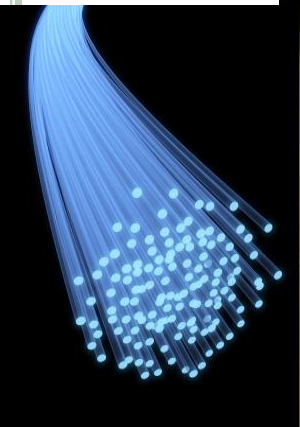
● Allan Sylvester
Beverley Hope

Victoria University of Wellington
School of Information Management

1984



TODAY

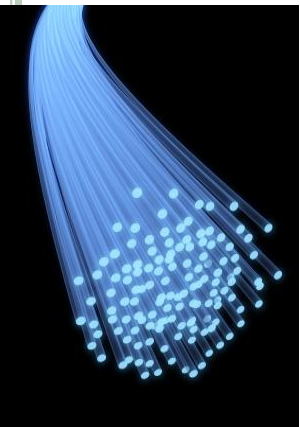


FROM SOCRATES TO INTERNET

‘The only good is knowledge and the only evil is ignorance’. Socrates

Printing Press changed the learning paradigm

From Print to Internet



Mark Treadwell
<http://edtalks.org/play.php?vid=348>

FROM GEN X, THRU GEN Y, TO GEN M

Millennials (b. 1982-1998)

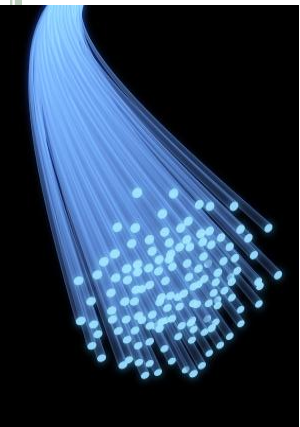
Mobile

Multi-media

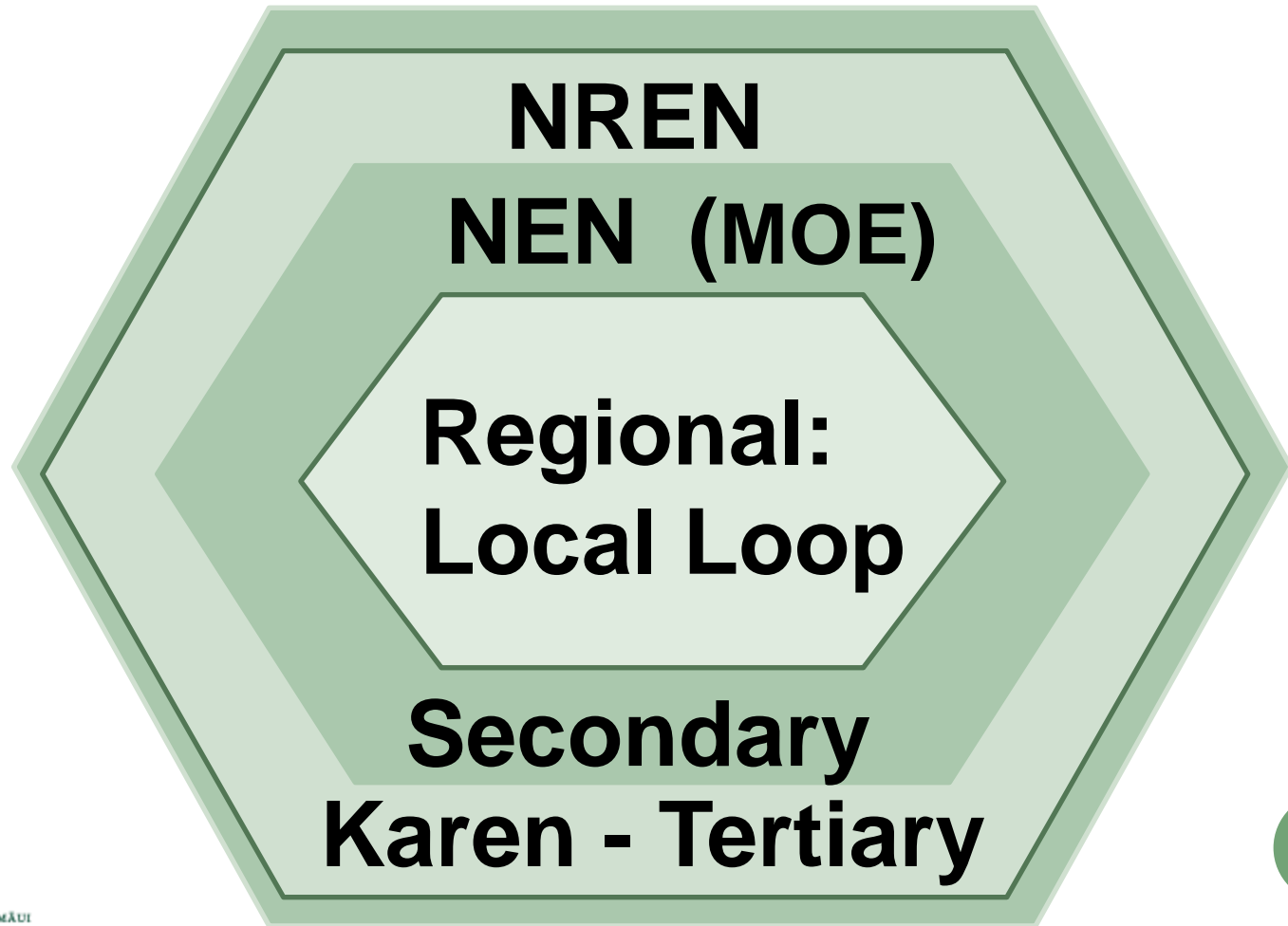
Multi-taskers

Multi-sensory

**THE NEED FOR
CONNECTED EDUCATION**



THE NEW ZEALAND LANDSCAPE



REGIONAL LOOPS

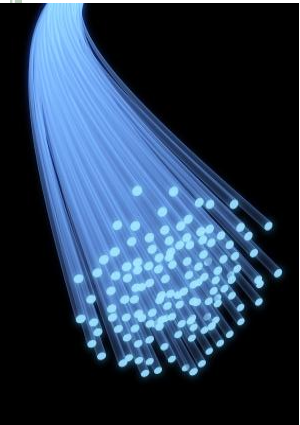
NEAL
Waikato

Wellington Loop

'The Loop' Nelson

Christchurch Loop

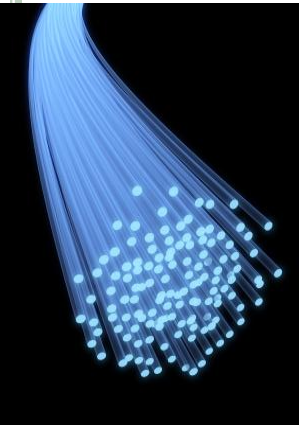
Otago Net



THE NEED FOR CONNECTED EDUCATION

WHAT IS REQUIRED

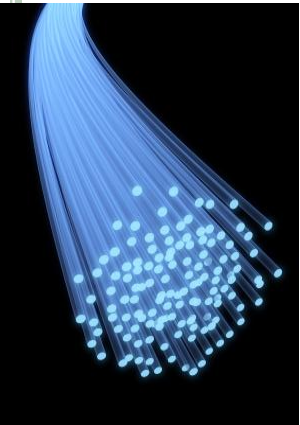
- Open Access Fibre
- Shared Collaborative Infrastructure
- Teaching and Learning Community



THE NEED FOR CONNECTED EDUCATION

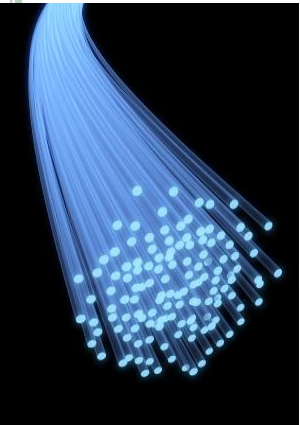
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- Open Access Fibre
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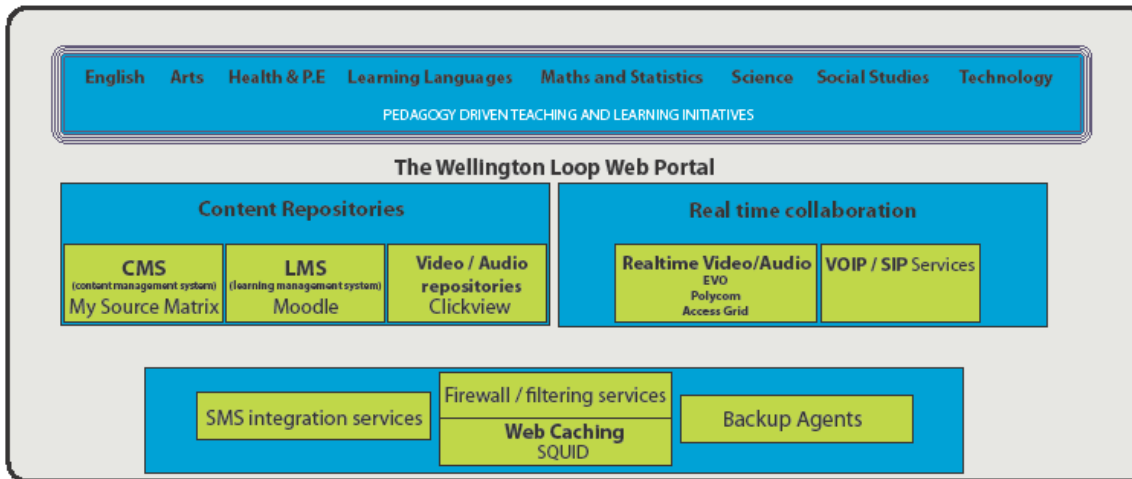
THE WELLINGTON LOOP

- Six (6) Inner City High Schools.
... and growing
- High Speed uncapped Internet
Access (City Link)
- Shared Applications
- Access to Karen

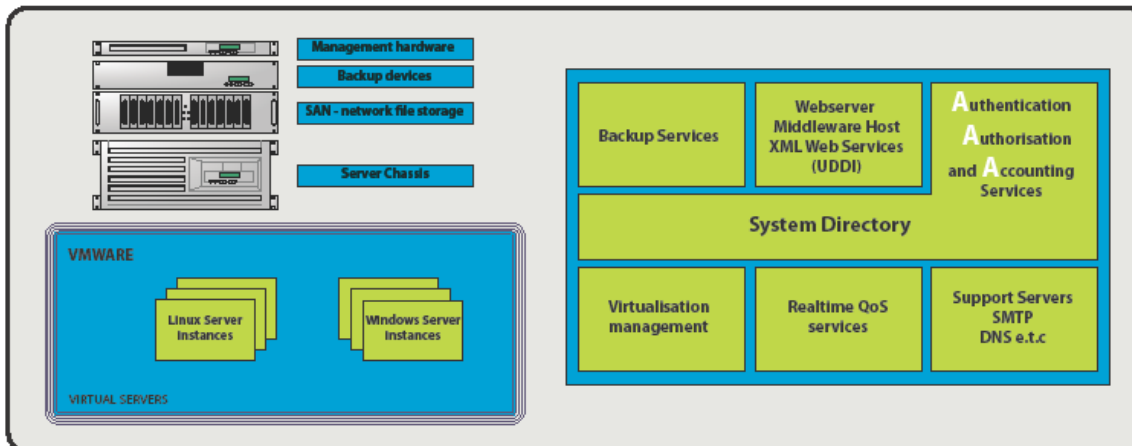


The Wellington Loop architecture

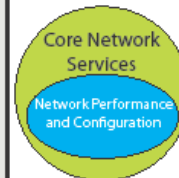
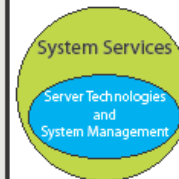
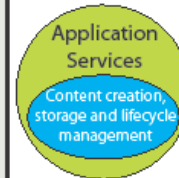
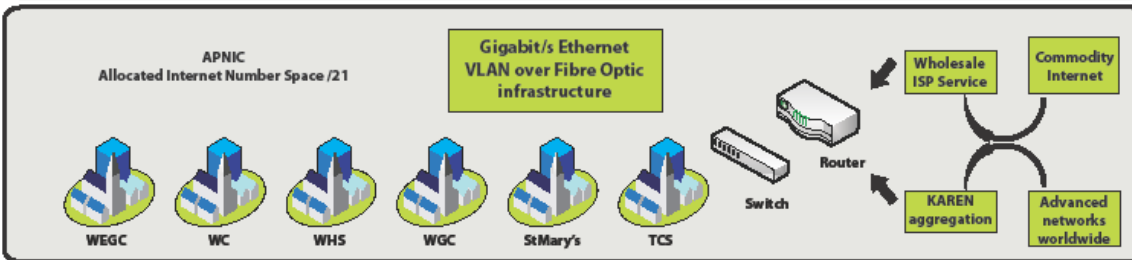
INFORMATION ARCHITECTURE



SYSTEMS ARCHITECTURE



NETWORK ARCHITECTURE



SCHOOLS ARE WEIRD

Schools are complex ICT environments

- Emphasis on content creation (upload)
- But high consumers of downloaded material
- Peaks in demand don't follow 'normal' patterns
- Classrooms are pressured environments

Paradoxically, school IT management is often risk averse but we want IT-led innovation!

SOCIAL CONSEQUENCES

- Copyright and intellectual property is up for serious debate for the first time in nearly 200 years.
 - Open source
 - Mash-up's
 - Wisdom of crowds



DIGITAL NATIVES?

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