Designing Physneyland

Future Focused Learning Spaces

The Scots College
Overview

- Introduction of presenters
- Theoretical Background in ABL and Collaborative Learning
- Scenario outline
- Veldhoen Process
- Designing space activity
- Presentations and feedback
- The Scots Experience
The Presenters

Chris Metcalfe BSC, Dip ED, MBA
- Dean of Applied Science, The Scots College
- Senior physics teacher (13 years)

Eric Gibbings B.Sc, Dip Ed, MEd
- Master Teacher (Science), The Scots College
- 39 years experience teaching physics
Changing Education??
Global Trends

• Experiential (Problem-based, inquiry-based)
• Collaborative Learning
• Negotiated/individualised
• Interactive
• New approaches to assessment of learning (formative, individualised, portfolio)
• Knowledge → Skills
• Metacognition (Powerful and Empowered Learners)
• Creativity/Innovation
ABW and Collaborative Working
ABW and Collaborative Learning
21st Century Learning
Challenge Scenario

- Social Sciences learning space
- 4 classes (100 students)
- Existing building
  - Arrangement of space
  - Furniture requirements
  - White boards, smart boards
  - Information Technology
  - Partitions
Veldhoen

- Aspiration (Philosophy)
- Activities (Present and future)
- Functional Areas (Places to “do” and “be”)

[Image of Veldhoen logo]
Philosophy
Activities
Functional Areas

cocreate

designing for better, together

"re-imagining the learning spaces"
Team Design Challenge

• Teams for different functional areas
• Materials provided
• Teams create models of functional areas based on parameters
Share and Discuss
The Scots Experience
3 Aspects
Activity types

What activities do the students do?
Activity Settings - Lecture

Science themed seating, Environmental materials (cardboard)

Carpet Steps creates a soft feel (possibly less noise) Shape enables more people in the "front row"
Activity Settings - Prac
Activity Settings - Create

Screening option

Alternate structure with large screen on desk
Group Create
Indicative sketches and imagery

Create Brainstorm with writing surfaces/ possible smart board
Create and Share/ Group Chat
Some privacy screening

Casual seating Chat with chairs that wrap around
Activity Setting - Focus

Focus
Indicative sketches and imagery

Personal workstations that wrap around the user and have screening for privacy. Can also sit to stand to provide an ergonomic worksetting for longer working. Space for external monitor.

High bench with stools or normal seating and power. Scots solution desire monitors.
Zoning
Vision
Challenges - Behavioural

- Changes for students and teachers
- Ownership for students
- Teachers help hold them accountable
- Collaboration, individual
- Using IT effectively
- More …… Less…..
- Looking forward to the challenge
References


Harris, S (2010). The Place of Virtual, Pedagogic and Physical Space in the 21st Century Classroom, SYDNEY CENTRE FOR INNOVATION IN LEARNING


Zautsen, Sheila (2013). ABW vs ABL. Initial Briefing for The Scots College. Veldhoen + Company