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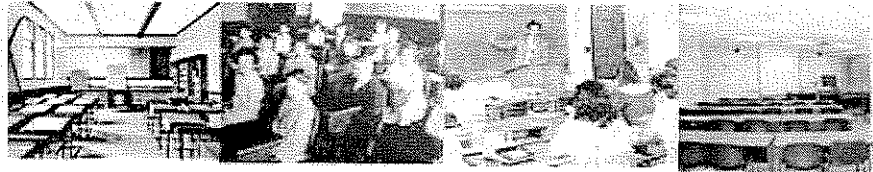
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21st Century Learning Spaces

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Introduction

The more I have considered teaching and learning in the 21st Century, the convinced I am that our teaching and learning spaces must change to reflect paradigm shift we are seeing with 21st Century learners and educator.



19th and 20th century classroom collage

Classrooms have improved since the 19th Century, but essentially they are for the same traditional mode of teaching. These classrooms are:

- teacher-centric
- designed for single to many communication style
- lack flexibility
- are poorly designed for collaboration and communication
- have limited support for technology
- rigid in design often unable to be adapted for any other purpose
- individual focused rather than group focused.

We have seen improvements in the facilities within the classroom, Classes more comfortable and of different sizes to accommodate the physical differ spaces to decorate and display student learning. The introduction of techno systems, better lighting and light control. But all of these are still in the same



classroomw2

The 21st Century Learner

A 21st Century curriculum, with 21st century learners and educators would If we look at the characteristics of the 21st Century Learner, this will provide spaces should look like.

21st Century Learners are:

- Technology literate and adept
- Media savvy

Understanding Digital Children
 Conscious Competence Model
 Tech Audit Tool

Traditional practice and digital approaches

Starter Sheets

ICT and Learning Style

Multiple Intelligences and ICT

ICT and the Visual Learner

ICT and the Auditory Learner

ICT and the Read/Write Learner

ICT and the Kinesthetic Learner

Learning Style scenarios

Pedagogic Skills, IWB's and Technology

LOTI

Ed = MC3

Managing complex change

Cyber-safety

The 3 i's of internet safety

Comic creation tools

Web 2.0 tools

Web 2.0 Office tools

Web2.0 PD Resources

Virtual Field trips Using Web 2.0

Wiki Mania

Visible Thinking



Become a committed sardine

- Flexible and dynamic
- multitasking
- communicators and collaborators
- interactive and networked
- reflective and critical
- instant
- creative and adaptive
- student centric, life long learners & anywhere anytime learners
- have Multimodal learning styles

The 21st Century Learning Space

Our classrooms to must encompass these characteristics.

Access to technology and media:

The 21st Century classroom is networked, adequately provided with a rich i streams, personal ([skype](#)) and group (video conferencing/[access grid](#)) c download students work and research to suitable structures to support anyv Facilities need to be in place to enable media production, whether its video,

Consider this. *Many projectors have the facility to support wireless net students) to easily connect and then switch between users. How many flexibility is essential for the 21st Century learners.*

Classroom design:

Traditional classrooms are design for a teacher centric delivery mode. 21st communicators. So the classroom must be designed to enable group collab furnishings and technology to be rearranged with ease and speed. Switchin presentation, communication and collaborative modes. From these grouping connect, collaborate, share and report - projection and video conference, pr

Classrooms must be able to adapt to different needs of the classroom - spa reflectively; space to operate in small groups discussing and debating; spac and teach.

Display spaces:

Students will need access to real and virtual display spaces. Whiteboards, i online, conferences etc. They will need easy and instant access to media s and share their own.

How many classrooms have student whiteboards - how many of us use whi interact with our colleagues in meetings.

So what is the classroom of tomorrow like?

I feel that these spaces will probably be multiple rooms within the one learn the major learning space with an array of facilities (IWB, AV conferencing, v spaces like tables). These rooms would be used for reflective spaces, planr online modes) etc.

The main learning space would be a fluid environment - furniture easy to m



to suite the needs of the task or learning. They would ideally have multiple (controlled, allowing teacher control as well as student connection. Access g to be larger spaces. Learners will not have individual desks rather will have



<http://www.uq.edu.au/nextgenerationlear>

Source: <http://www.uq.edu.au/nextgenerationlearningspace/>

These spaces need to reflect the audience. They need to be comfortable ar

This is not going to be cheap. Larger spaces, more of them with better facili capacity. This is going to require a quantum change in classroom design. T some facilities be shared - small breakout rooms between classes etc.

Fundamentally there must also be a change in the direction of teaching too. school, who could use this? Would your teachers be able to adapt to this sp traditional mode of instruction.

Resources:

Learning space design in 21st Century - <http://net.educause.edu/ir/library/pr>

21st Century learning environments for all - <http://www.minedu.govt.nz/inde layout=document&documentid=12063&data=1>

Next generation learning spaces - <http://www.uq.edu.au/nextgenerationlear>

Learning for 21st Century - http://www.medialit.org/reading_room/article580

21st Century Learners - and their approaches to learning - <http://ultibase.rr>

Designing spaces for effective learning - http://www.jisc.ac.uk/eli_learningsr

Standards for the 21st Century Learner -

http://www.aia.org/ala/aasl/aaslproftools/learningstandards/AASL_Learning

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