Educational Libraries as a 21st model

Interconnected Learning Communities

Old buildings made New

Educational Libraries as a 21st model

Interconnected Learning Communities

Old campuses made New

WilsonArchitects



University planning and the pragmatics of growth

Chemistry



Humanities

Geology

·东·西:永·田

C.S. A. a. Showare

Physics

AND AND AND THE

Biology

Hennessy & Hennessy - 1949 1 ST 14



"Inter-war stripped classical style. It is also a striking example of 1930s art deco along with a hint of grand fascist-style architecture"

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The rate manual the state of the second state of the

our of This and the o

20th century University planning



Whatever design is adopted it since 1910.

the various science departments.

Teacher-led spaces

Content from Academics





20th Century Teaching Model - Based on Content delivery

Home Study

Reflective modes

Recall & understanding of Content

	Both defined and limited by the quality of academics	Lecture
		Theatre
Libraries	Tutorials	Classroom

Didactic modes

Delivery of Content

Both defined and limited by the extent of their collection



Access to quality content through Information Technologies.

The rise of MOOCS or Massive Open Online Courses

Accessing the best content available in the world and the leveraging of this online learning to improve the campus-based student experience



21st Century Teaching Model - the democratisation of content through web technologies

Home Study

Defined by the community of learners



- Defined by the way students engage in learning
- How we improve when we share with one another.

- Student Centric Fostering discipline centred communities
- Student experience
- Staying longer on campus



Better support for the student

- More diverse study options
- Supporting working with peers
- Information skill support
- IT support
- Curriculum support
- Student wellbeing support



Study anywhere







B Teacher-Led Learning Spaces 'Flipped Classroom' where the exposition of c



C Extension of teacher-led learning 'Flipped Classroom' where knowledge is furthe



C Extension of teacher-led learning 'Flipped Classroom' where support is found



Extension of teacher-led learning 'Flipped Classroom' where space is found













A campus of silos



A network of spaces



Teacher-led spaces



Mapping space



Er

Didactic 🏢 Active 🏢 Discursive 🏢 Reflective 🏢

En



Er

Didactic 🏢 Active 🛄 Discursive 🏢 Reflective 🏢

Didactic 📖 Active Feedback Discursive



nabled	Learnin	ng Mod	alities
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Traditional lecture theatre

Collaborative Teaching and Learning Space

Active Learning Lecture Theatre

Peer to Peer Learning space

Research Incubator

Electrical Engineering Project Collaborative Teaching and Learning Centre to support 99 students









Didactic Modality Content delivery and instructional



Active Modality

Students work in groups using desktop technology, large format screen as well as whiteboards.



Discursive Modality Teacher can share student group outcomes with other groups from shared screen







Discursive Modality Teacher can share student group outcomes with other groups from shared whiteboard



Comparative pedagogy mapping for axon learning lab.

Prep Time Not	tes:									
Teaching Met		10	45	20	25	20	25	40	45	50
Dide ette	5	10	15	20	25	30	35	40	45	50
Didactic	┠┽┽┽┿	┟┼┼┼┼								
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Discursive				┨┽┽┽┽		╏╋╋╋╋			++++	++++
Reflective										
Lecturer Tools		40								50
	5	10	15	20	25	30	35	40	45	50
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Laptop	++++	++++			++++				++++	+++++
Doc camer	\square	++++		+++++	++++	++++			++++	++++
Room cam	ШШ									
Other			microph	one and lo	cd screen	S				
Student Tools	:									
	5	10	15	20	25	30	35	40	45	50
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Comparative pedagogy mapping for axon learning lab.



Highly flexible space for highly flexible pedagogy



Brisbane Boys College

Highly flexible space for highly flexible pedagogy



Brisbane Boys College

Highly flexible space for highly flexible pedagogy



Brisbane Boys College


















Student directed spaces



Student Directed Spaces



Student Directed Spaces







Student Directed Spaces

Multimedia Learning Centre Bond University - 2009

2 2.



















SPACE 1							
What were	you doing bef	ore visitin	g the MLC	today?			
Lecture	Tutorial	Library	Consul	tation with	lecturer		
Socialising	Other						
What area	have you been	using?					
Please circl	e on the floor pl	an below.					
Reason for	selecting spa	ce:					
Only space	available	Oscup	ied by frien	ds	Works for	group	
Appropriate	Technology	Prefere	nce for pos	ition O	ther		
What activi	ty were you pa	articipatin	g in?	$\overline{}$			
Meeting Fi	riends Do	ing Assign	iment	Other _			
What stage	of the assign	nent are y	/ou up to?				
Beginning	Middle	End					
How many	people were y	ou workin	g/meeting	with?			
None	One Two	Three	Four	Five	Six	More	
What techn	ology were yo	u using?					
None	Laptop F	С	Document	camera	DVD	Gaming	
Webcam	Interactive whit	e board	Other				
What are y	ou going to d o	after this	visit to the	• MLC tod	ay?		
Lecture	Tutorial Library Consultation with lecturer						
Socialising	Other						



Multimedia Learning Centre Bond University - 2009 Survey

Student Directed Spaces

 1. Pedagogy Space Technology 	Laptop Bar Social learning drop in casual To support a cohort of approx 2-4. Close to entry, drink dispense degree of behavior for the voyeur and exhibitionist. The colour of Power for laptops and wireless LAN
2 Pedagogy Space Technology	Lounge seating Social learning, flexible furniture to support group work with lapte To support cohorts of 4-8. Comfortable casual furniture for longe Power for laptops and wireless LAN
3 Pedagogy Space Technology	Study Booths Open collaborative learning Booths for a cohort of 4-6. Comfortable casual furniture for longed display for others to engage. Encourages the extrovert and voye A 40inch LCD screen with networked computer connected with a Able to play DVD movies and games on playstation,
4 Pedagogy Space Technology	Open Computer tables Reflective 70%, collaborative 30% modes of study Open study workstations to support one to two students at each moods. Computer workstations and wireless LAN
5 Pedagogy Space	Computer stations with a view Reflective modes of study Students working with back to open space facing landscape view focussed work. Computer workstations and wireless LAN
6 Pedagogy Space Technology	 Collaborative learning Room Collaborative learning space enclosed for quiet focused work. Desk supports a cohort of six with room for an additional 10 alon with rooms activity. Support for laptop, Smartboard, HD projector, and videoconferent students. (XBox, Playstation, Nintendo Wii)

Multimedia Learning Centre Bond University - 2009

er. Short term study at a work level which looks over other study spaces. Enables a of the bar changes to reflect potential different learning moods.

top and paper based material. er study sessions. More focussed introvert behavior.

jer study sessions. More focussed introvert behavior with the study practice on eur. Power for laptops and wireless LAN a document camera to capture print material. Laptops can be connected to screen.

n computer. The colour of the bar changes to reflect potential different learning

ew of lake and environs. Introvert behavior for one to two students to enable more

ng bench seating to its edge. Extensive use of glass enables passive engagement

encing, Gaming hardware and software for Computer Games and Multimedia **Wilson**Architects



Peer to Peer Learning Spaces









Integrated teacher-led & student directed spaces

Lilley Centre Brisbane Grammar School Completed in 2009







Lilley Centre Brisbane Grammar School Completed in 2009







Lilley Centre Brisbane Grammar School Completed in 2009

181



Lilley Centre

Brisbane Grammar School Completed in 2009 6.0



Cohort size - Teacher-Led Spaces



Lilley Centre

Cohort size - Teacher-Led Spaces



Lilley Centre

Cohort size - Teacher-Led Spaces



Lilley Centre

Student Directed Spaces

Lilley Centre Brisbane Grammar School Completed in 2009

Teacher-Led Spaces







Science Engineering Centre QUT - 2012







Science Engineering Centre QUT - 2012





Science Engineering Centre QUT - 2012






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Jeffrey Smart Building - UniSA







Jeffrey Smart Building - UniSA

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5

Jeffrey Smart Building - UniSA



LIBRARY MASTERPLAN: KIT OF PARTS

CASUAL LEARNING







FOOD + STUDY



STANDUP PC



GROUP TEACHING







TRAINING ROOM

















STUDY ROOM

v		

Integrated teacher-led & student directed spaces

JCU Education Central - 2014





JCU Education Central - 2014



JCU Faculty of Education



Reflection on your performance

Where are you if? - her you will the log on

- AREA ANT Where do you're write on?
- Le conservation · What changes do you mild mimane
- Holy about an even
- What help do you wind? · Dayou train when the roles
- Set goals within a specified heading;

JCU Education Central - 2014





JCU Education Central - 2014

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JCU Education Central - 2014

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Integrated teacher-led & student directed spaces

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JCU Education Central - 2014







St Andrew's College - Perigian



Distribution of Student Directed Learning Spaces 1. Range and Distribution of Teaching Spaces



LEGEND	
Lecture	Wet Lab
Tutorial	Social Learning
Computer Teaching	Peer to Peer
Dry Lab	Computer

Development of the Masterplan



Development of the Masterplan





- Figured dimensions take precedence over scaled.
 Figured dimensions are millimetres unless noted otherwise.
 Check all dimensions on site prior to commencement of work.
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WIISONArchitects

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CONSTRUCTION & PROJECT MANAGEMENT (AUST) PTY LTD

ST ANDREW'S ACADEMIC CENTRE

FLOOR PLANS

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