

Digital Classroom Project: Service-Learning and Information and Communication Technology's impacts on student learning in Hong Kong

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Background

- Lingnan University's motto: Education for Service → Service-Learning → KE process
 - University: Not only the place for intellectual development, but also other competences and values -> the Adaptability, Brain Power, Creativity
 - Community: One of the platforms to conduct S-L and achieve KE
- Digital Classroom Project-using an online e-learning platform for students to exchange ideas on selected books
 - Stakeholders: Local Service-Learning program between Office of Service-Learning & Department of Sociology and Social Policy, Lingnan University & S. R. B. C. E. P. S. A Lee Yat Ngok Memorial Primary School
 - University students exchange ideas on the selected books with primary school students through an online e-learning platform and interactive reading related activities
 - With the element of Knowledge Exchange (KE), Service-Learning(S-L) and Information Communication Technology (ICT)
 - Since 2007



Agenda

- · Background
- Definitions of Knowledge Exchange (KE), Service-Learning(S-L) and Information and Communication Technology (ICT)
- Project Objectives and Structure
- · Research & Evaluation Method
- · Impact on student learning
- Conclusion

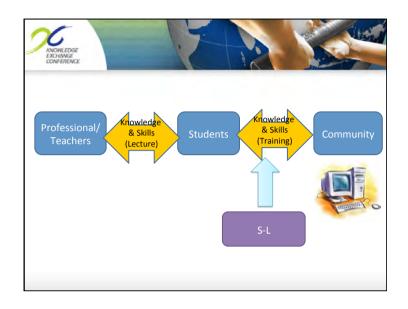


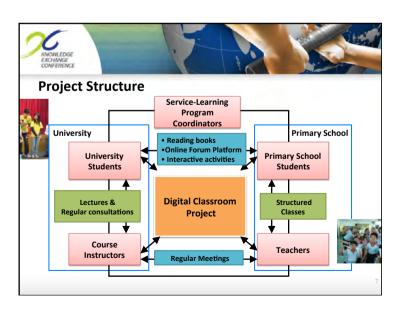
Definitions

- <u>Knowledge Exchange(KE)</u> is a two-way process where individuals or organizations share learning, ideas and experiences
- <u>Service-Learning</u> (S-L) refers to a pedagogy (teaching method) that combines academic study with community service-An Experiential Learning process



 <u>Information and Communication Technology</u> (ICT) stresses the role of unified communications and the integration of telecommunications, computers, which enable users to create, access, store, transmit, and manipulate information



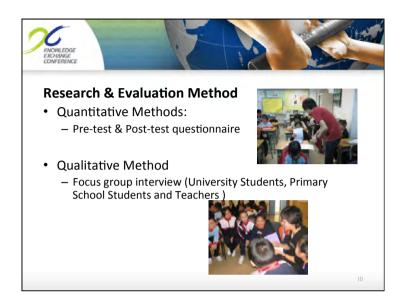


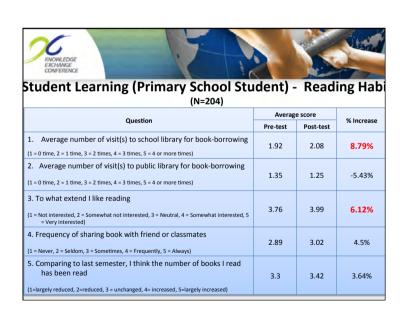














Internet Utilization Habit (N=204)

Question	No. of student (Pre-test)	No. of student (Post-test)	% Increase
7.I usually go online for (doing home work)	Yes: 90	Yes: 102	13.33%
9.The language I usually use when I am online (written language)	Yes: 85	Yes: 91	7.06%
Question	Average score		% Increase
	Pre-test	Post-test	% increase
8. The time that I usually spend online 1 = 0 hour, 2 = 1 – 7 hours, 3 = 8-14 hours, 4 = 15 – 21 hours, 5 = More than 22 hours)	2.4	2.53	5.7%
10. Frequency of expressing the opinion on the books online (1= Never, 2=Seldom, 3=Sometimes, 4=Frequently, S=Always)	2.49	2.75	10.44%



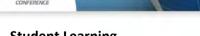
Student Learning

- Learnt more vocabulary & sentence structure
 - → interacting with LU students
 - → primary students feel their dictations and exams are better
- Reading Habits
 - → "have more interests in reading", "read more books"



- →"Learn to further develop the discussion based on others' responses."
- → "Further think more about the stories and others' responses."

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Student Learning (Primary School Student) (N=204)				
Question	Averag	Average score		
	Pre-test	Post-test	% Increase	
Subject-Related Knowledge.	3.97	4.16	5.54%	
Communication Skills	3.00	3.26	8.67%	
Social Competence	3.78	3.94	4.45%	
Organizational Skills	3.57	3.77	5.66%	
Problem-solving Skill	3.64	3.77	3.75%	
Research Skills	3.74	4.09	9.35%	



Student Learning

- Develop intergeneration relationship with more interaction with university students
 - pupils are willing to share their problems with university students
 - →"I feel comfortable talking with them [university students], very relaxed." [Friendship and trust]
 - → "They [university students] won't tell others about things we tell them." [Trust]
 - "... the university students can play with us just like our friends." [Friendships and closeness]



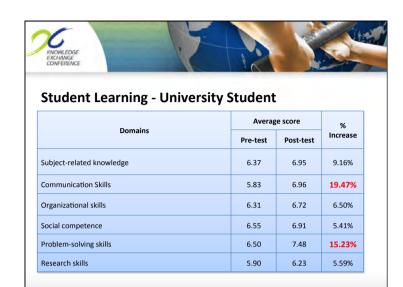
Student Learning - Knowledge Exchange

- In the past, I would just answer "good, good, your answer is good." But one of the big brothers [the university students] told me I should say "I think your answer is very good.", but not reversing the words in the sentence, which would make it spoken Chinese. So I think my organizational ability (in language) has improved.
- "We didn't just write [our feelings] onto papers after reading the books. People can't reply to you if you just write [onto papers], but they can ask you questions if you type it out online."



Student Learning – Knowledge Exchange

- I learned a lot from this program. The one that I have the deepest reflection is the low computer ownership rate of the student that hindered them from logging on to the web page and leave messages at home. It makes me think that when we emphasize the importance of integrating IT in education, there are still a number of people who may not get enough support or ready to face the changes
- This program can let me know more knowledge about the technology and society.
- I would say my participation during the service period let me "experience" the course material, not only "learn" the knowledge.





Conclusion

- Service-Learning is an effective vehicle for knowledge exchange and enhancement of student learning
- Continuous programs or activities can create long term and sustainable impact on skills building, a way of knowledge exchange in the community and cross-generations.

