

ResearchSmart: **A Digital Literacy eLearning Courseware**

Learning Support

CUHK Library

2015

Dominic Chan



The Good Old Days

Prior to 2012:

- CUHK IT Proficiency Test

(<https://www.sitc.cuhk.edu.hk/syllabus-2006.html>)

The IT proficiency test covers:

Section		
1	Operating a microcomputer	Practical
2	Word Processing	Practical
3	Electronic Spreadsheet	Practical
4	Electronic Communication	Practical
5	Presentation Software	Practical
6	Ethics in IT and Relevant Hong Kong Legislations	Conceptual
7	Information Security	Practical
		Conceptual
8	Information Literacy	Conceptual



The Good Old Days

Prior to 2012:

- Library's Information Literacy Tutorials

Here is a piece of Library Newsletter dated September 2012:



The Good Old Days

4. Information Literacy Courses for CUHK Students: October – December 2012

The University Library will offer intensive courses from October to December 2012 to assist students in preparing for the Information Literacy Section of the Student IT Proficiency Test.

The course provides not only an overview of the Web-based Information Literacy Tutorial, but also includes exercises and practice tests in:

1. Formulating search strategies.
2. Finding information using the Library Catalogue, research databases and the Internet.
3. Evaluating information sources.

Ten three-hour identical sessions are scheduled as follows:

Time:

October 6, 2012 (Saturday) 9:30 a.m. - 12:30 p.m.
October 20, 2012 (Saturday) 9:30 a.m. - 12:30 p.m.
October 27, 2012 (Saturday) 9:30 a.m. - 12:30 p.m.
October 30, 2012 (Tuesday) 6:30 p.m. - 9:30 p.m.
November 3, 2012 (Saturday) 9:30 a.m. - 12:30 p.m.
November 5, 2012 (Monday) 6:30 p.m. - 9:30 p.m.
November 10, 2012 (Saturday) 9:30 a.m. - 12:30 p.m.
November 17, 2012 (Saturday) 9:30 a.m. - 12:30 p.m.
November 24, 2012 (Saturday) 9:30 a.m. - 12:30 p.m.
December 1, 2012 (Saturday) 9:30 a.m. - 12:30 p.m.

10 Sessions

Venue: User Education Room 2, G/F University Library

Medium of Instruction: Cantonese, but will change to English when there is any student who does not know Cantonese.

Registration: Complete the [Online Registration Form](#).

For enquiries, please contact the Reference Counter on 3943 7305 or email eref@cuhk.edu.hk.



The Good Old Days

The Library's Information Literacy Tutorial:



Information Literacy Tutorial



Welcome!

The Information Literacy Tutorial aims to assist students in recognising when information is needed, and in locating, evaluating and using the needed information effectively. Modules 01 to 06 cater for the Information Literacy Section of the Student IT Proficiency Test. The CASE is an example of applying concepts and skills covered in these modules.



The Present

Let's scroll a bit forward..... to 2012.

- Along with the 3-year curriculum, the University Administration also took down the mandatory IT Proficiency Test.
- The replacement: a 1000-level foundation University Core course
- Course Title: IT Foundation
- Managed and conducted by Faculty of Engineering
- The Library was not involved.



Scanning the Environment

Changes of IL Training in CUHK:

- IL is taught in a smaller scale
- Officially, Library is not involved

Changes of Target Audience:

- Students receive basic IT training in high school
- Students are becoming digital natives

Result: The IL training is due for a major update.



Challenges & Opportunities

Challenges:

- Incentive for students to learn the Library version of IL
- Repeated content

Opportunity:

- Flexibility content-wise



Theoretical Background

D I L

Digital and Information Literacy Framework



Theoretical Background

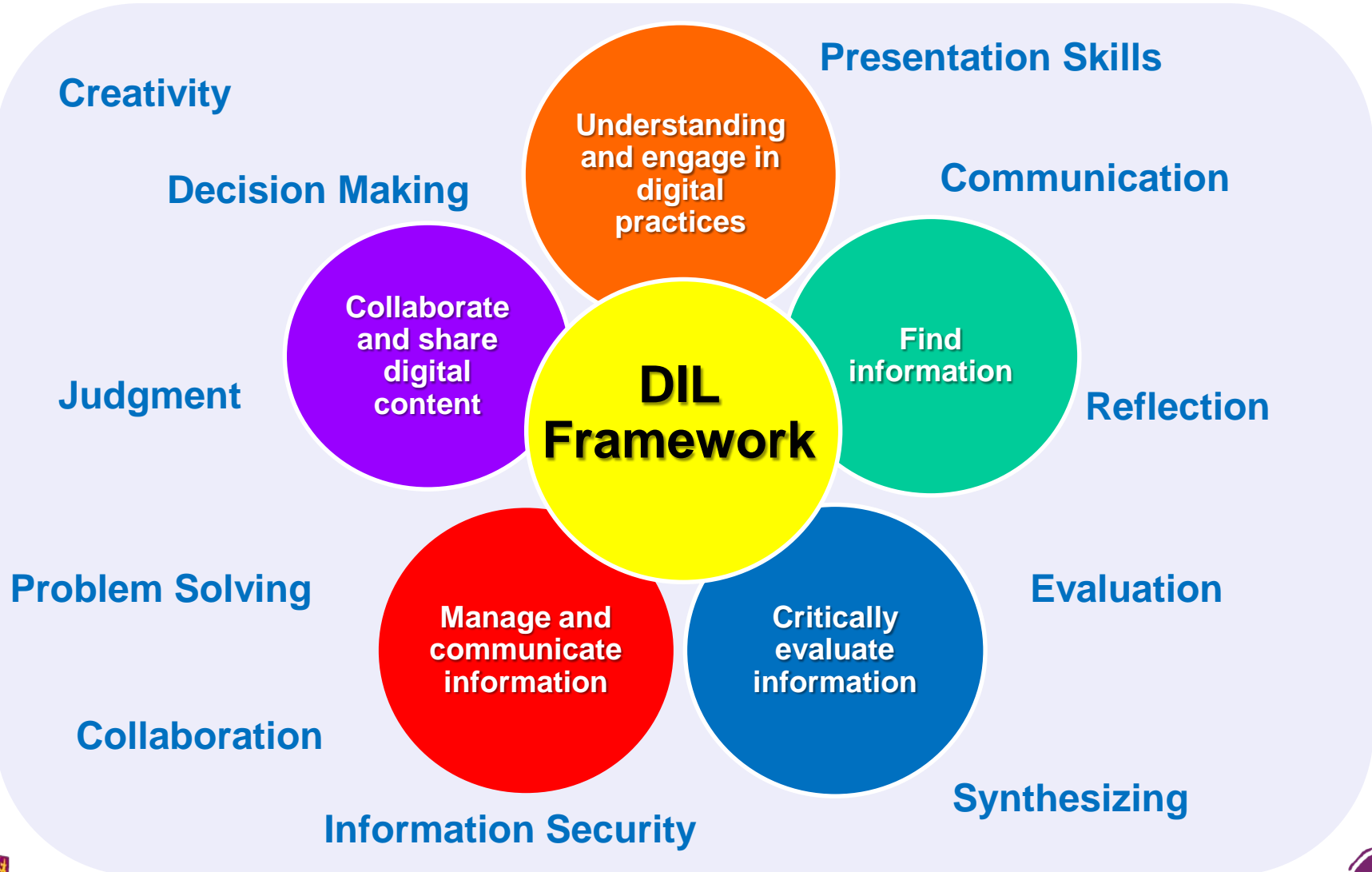
Digital and Information Literacy Framework

- a theoretical framework suggested by the Open University (UK) in 2012.

“Digital literacy includes the ability to find and use information (otherwise known as information literacy) but goes beyond this to encompass communication, collaboration and teamwork, social awareness in the digital environment, understanding of e-safety and creation of new information.”



Digital and Information Literacy Framework



[Source: The Open University (2012). Digital and information literacy framework. <http://www.open.ac.uk/libraryservices/subsites/dilframework/>]



ResearchSmart

- Launched in 2014 Semester 1
- Help students to visualize digital literacy concepts and skills
- Teaches how to properly and efficiently find, utilize, evaluate, legally share and create content using digital technologies



Target Audience:

- Young, undergraduate population

URL: <http://smart.lib.cuhk.edu.hk/>



ResearchSmart

Presentation:

1. Breaking up content to form small Learning Objects ([Example](#))
2. Extensive use of Graphics and Animation ([Example](#))
3. Interactive Elements for Active Learning ([Example](#))
4. Games ([Example](#))
5. Videos ([Example](#))

[Source: Bonwell, C.; Eison, J. (1991). *Active Learning: Creating Excitement in the Classroom* AEHE-ERIC Higher Education Report No. 1. Washington, D.C.: Jossey-Bass.]



ResearchSmart

Assessment:

- A small quiz for each module
- To evaluate students understanding of the content
- Module approach – not necessary to complete all 5 quizzes in one go
- Backend database will record which quiz the student has taken and the quiz result



ResearchSmart

Incentive:

- A Library Certificate will be awarded to students who obtain 80% correct answers in each quiz.
- But for teaching staff, ResearchSmart is a handy courseware with assessment at no cost.



ResearchSmart

Internal Marketing:

- Poster presentation (Dec 2014)
 - Teaching and Learning Innovation Expo 2014, organized by the CUHK Centre for Learning And Research (CLEAR)
- Meeting with Faculties on IL training



Thank You

Presented by
the ResearchSmart Project Team:

LF Li
Dominic Chan
Kitty Siu
Gwendolin Wong

