

forward together · saam vorentoe · masiye phambili

Designing your teaching online Dr Maricel Krügel Department of Food Science

Auxin - 28 April 2020

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Technology vs Teacher?



- Learning technology
 - widely available
 - contribute to the reach of learning
- Learning design
 - digital technologies improving the quality of learning
- What is the role of the lecturer?
 - Key to innovation to improve T&L with the goal to <u>enable every learner to</u> <u>achieve their learning potential</u>

Conversational framework for learning



What are the six learning types?

With Professor Diana Laurillard



https://www.youtube.com/watch?time_continue=25&v=wnERkQBqSGM&feature=emb_title

Online Teaching: Baking cookies 101

Class 1

Outcome:

The student will be able to apply the principles in formulating sugar biscuits

Online activity:



Students engaged with this learning activity?



Class 2

Outcome:

The student will be able to apply the principles in formulating sugar biscuits

Online activity:

One review research articles to read



Working together on a recipe in a shared online document

Students engaged with these learning activities?









Tool 1: Learning types cards



of their action in relation to the goal



https://slideplayer.com/slide/16438932/

UCL Blended Connected

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https://blogs.ucl.ac.uk/abc-ld/category/distance-learning-2/

UCL Arena Chended Connected



ABC learning design

ABC (Arena Blended Connected) curriculum design Connected Hill methology facilitation Learning materies. Workshop data meneratuda / emolulie arabes Manhalat 008 Viewpoints Reflection Markshop it can be reading to International property Log tor tireline perspectical Learning type: Production Learning type: Acquisition Learning type: Practice Learning type: Investigation Learning type: Discussion Construction - design and make artefacts producing and storing digital documents, resources, photos, videos, E.g. pre-entry or induction Delivered - presented with information Browsing - seek and collate information using online advice and guidance using models Reflective - reflect on activities. Discussion to review previous steps article reading digital documents Simulation - interact with a simulated chronous and asynchronous world inquiry-driven - investigate authentic websites and resources comparing and <u>analysing</u> the ideas and information in a range of digital Performative - present for an audience animations, blogs, e-portfolios simulations representations of designs situations watching video/animation virtual labs and field trips discussion forums and groups resources using digital tools to collect and Reflective - reflect on activities learn across physical o ring experience, applying Problem-solving - solve problems o performances, artefacts online role play activities ocial settings web-conferencing tools answer big questions Discussion to review p listening to podcast, webcast analyse data and searching and evaluating information and ideas quiz Case-based - investigate individual c online tutorials Assessing - learn by receiving constructiv Same-based - engage with gar feedback (Peer review step) environments Week 1 iptio Description Description escriptio escription Post step Post step Post step Post step Post step discussion poin discussion point discussion poin discussion poir Learning time Learning time Learning time No. of Concession, Name Learning time Learning time E.g. 2" year or first few weeks Learning type: Acquisition Learning type: Discussion Learning type: Collaboration Learning type: Production Delivered - presented with information article reading digital documents, Reflective - reflect on activities. Discussion to review previous steps chronous and asynchro Networked - interact with networks of peers 'like' comments and 'follow' other building a joint digital output Construction - design and make artefacts producing and storing digital websites and resources documents, resources, photos, video seminar small group projects using onlin earners Performative - present for an audience animations, blogs, e-portfolios discussion forums and groups watching video/animation ing experience, applying co forums, wikis, chat rooms, etc. for Conversational - converse with others, representations of designs discussing others' outputs web-conferencing tools Reflective - reflect on activitie nments linked with each step Week 2 performances, artefacts listening to podcast, webcas Discussion to review previous steps online tutorials Collaborative - construct shared models understanding. Discussion step to explore learners' perspectives and Assessing - learn by receiving co feedback (Peer review step) scription Description Description Post step Post step Post step discussion po Post step discussion poir discussion poin Learning time Learning time Learning time Learning time E.g. 2¹⁴ year or reid semecter E.g. P^{*} pear or final phase Select learning activities Connected curriculum dimensions and comments, action plan

Learning types cards (front and back)

Learning type: Acquisition

Learning through acquisition is what learners are doing when they are listening to a lecture or podcast, reading from books or websites, and watching demos or videos.

Learning type	e: Acquisition
Delivered - presented with information	 article reading digital documents, websites and resources Add article watching video/animation Add video listening to podcast, webcast Add audio
Description	
Post step discussion point	
	Learning time





Tool 2: The Learning Designer

- This design tool will help with the now urgent process of moving your teaching online
- Free online tool https://www.ucl.ac.uk/learning-designer/
- An introduction to Learning Designer-<u>https://www.youtube.com/watch?v=S0edRboC9vI</u>

Learning Designer Home

Welcome to the Learning Designer

This design tool will help with the now urgent process of moving your teaching online.

The Learning Designer is an online tool to help teachers and lecturers design teaching and learning activities and share their learning designs with each other. It was developed by a team led by Diana Laurillard at the UCL Knowledge Lab, with ESRC funding, and is free for anyone to use.

The tool is based on the six learning types from Diana Laurillard's Conversational Framework – a model of the conditions necessary for learning to take place. The six learning types are: Read/Write/Listen (or Acquisition), Inquiry, Practice, Production, Discussion and Collaboration. In principle, a good learning design will contain a mix of all of these types of learning.



Bower et al. (2011)

Design of the Functional Foods fully online 2 week module using Learning Designer





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There are two screens in the Learning Designer: the Browser screen and the Designer screen. You can search for and adapt other people's learning designs in the Browser screen or design your own from scratch in the Designer screen.

The tool provides feedback on your design by showing you (a) the amount of learning time you have designed, and (b) a pie chart of the proportion of each of the six learning types in your design. You decide what adjustments to make. In principle, a good

Log in

Username	maricel	
Password		
		Log in

Forgot your password?

Don't have an account? It is free to Register »

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Learning designer

Name	Functional Foods Module	Mode of delivery	Wholly online 🔻	
Торіс	Two week module	Aims	scientists, they have to be able to	
Learning time	50 hours 0 minutes		distinguish a real functional food from a "false" product on the market.	
Designed learning ti	50 hours 5 minutes	Outcomes	The learner is able to comprehend food	
Size of class	9	•	Evaluation 🖋	
Description	This 2 week online Functional Foods module is part of the <u>MSc</u> Food and Nutrition Security.	• •	Application s able to evaluate and apply	
5 credits	= 50 notional hours	(3000 min)	The learner is able to critically evaluate	
\mathbf{O}	l earning tim	ne (notional hou	rs)	



Production – 39% Acquisition – 17% Practice 4% Discussion 2% Collaboration 1% Inquiry 37%

What was the most effective aspect of this module?

7 responses

The podcasts were posted immediately. Enables one to go through the sessions in good time.

The way in which this module was structured (very organized)

The SCORM packages

Structuring encouraged you to learn e.g glossary, quiz

Assistance through the power point presentations

Different actitivities and ways of instruction

I really enjoyed the assignment, and I felt thatworking through the legislation myself and applying it to my selected product really walked me through the world of functional foods and their place in the market, as well as how they relate to regulating bodies

You put in so much effort, particularly putting together all the online content. You were so available via e-mail and responded promptly and you really put in a lot of effort to make it personal despite it being an e-module. You embraced far more of the technological aspects of SunLearn than any of the other presenters



TIP: Am I assessing the outcomes with this type of activity?

Types of activity matched to learning types

•	Delivered	are presented with information	Acquisition
•	Collaborative	construct shared understanding	
•	Conversational	converse with others	Collaboration
•	Networked	interact with networks of peers	
•	Reflective	reflect on activities Discussion to review previous steps	Discussion
•	Browsing	seek and collate information	
•	Inquiry-driven	investigate authentic situations	Inquiry
•	Problem-solving	try to solve problems or answer big questions	
•	Case-based	investigate individual cases	
•	Simulation	interact with a simulated world	
•	Cross-context	learn across physical or social settings	Practice
•	Game-based	engage with game environments	
•	Assessing	learn by receiving constructive feedback (Peer re	eview step)
•	Performative	present for an audience	Decidentia
•	Construction	design and make artefacts	Production
•	Reflective	reflect on activities Discussion to review previo	us step

ΑCTIVITY	Acquisition	Inquiry	Production	Practice	Discussion	Collaboration	ACTIVITIES	
Adobe connect							Adobe Connect	SUNLearn
Assignment			Х	Х			Assignment	Moodle-based
Chat	x	x	Х	Х	Х	х	 Attendance 	
Choice							Chat	
Clicker							•	
Database		х	Х	Х			Choice	
Forum		х	Х	Х	Х	х	O Olicker	Journal
Glossary			Х	Х) Database	Lesson
Group choice							🔘 🦧 External tool	Connect2
HotPot		х	Х	Х	x	x	🔘 🚯 Forum	Questionnaire
Journal							Glossary	Quiz
Lesson			Х	х			Group choice	🔘 🖪 Scheduler
Questionnaire		x					🔘 🍓 HotPot	SCORM package
Quiz			Х	Х				Survey
Survey		x						Turnitin Assignment 2
Turnitin Assignment 2			Х	Х				 Assignment 2 Wiki
Wiki			Х	Х				Workshop
Workshop			x	х				

ΑCTIVITY	Acquisition	Inquiry	Production	Practice	Discussion	Collaboration
Book	х					
File	Х					
Folder	Х					
Page	Х					
URL (link)	х					

ACTIVITY (OTHER)	Acquisition	Inquiry	Production	Practice	Discussion	Collaboration
Reflect (Blog)	Х	х	х	х		х
Reading lists	Х					
Shared Google docs						х

RESOURCES 0 0 Book 0 0 File 0 0 Folder IMS content 춆 0 package 0 0 Label 0 0 Page 0 0 URL

References

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Questions?

Please share experiences of online design and teaching so far!