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## Designing your teaching online

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Auxin - 28 April 2020

 $\ensuremath{\text{\ensuremath{\mathbb{C}}}}$  The content of this presentation is confidential.

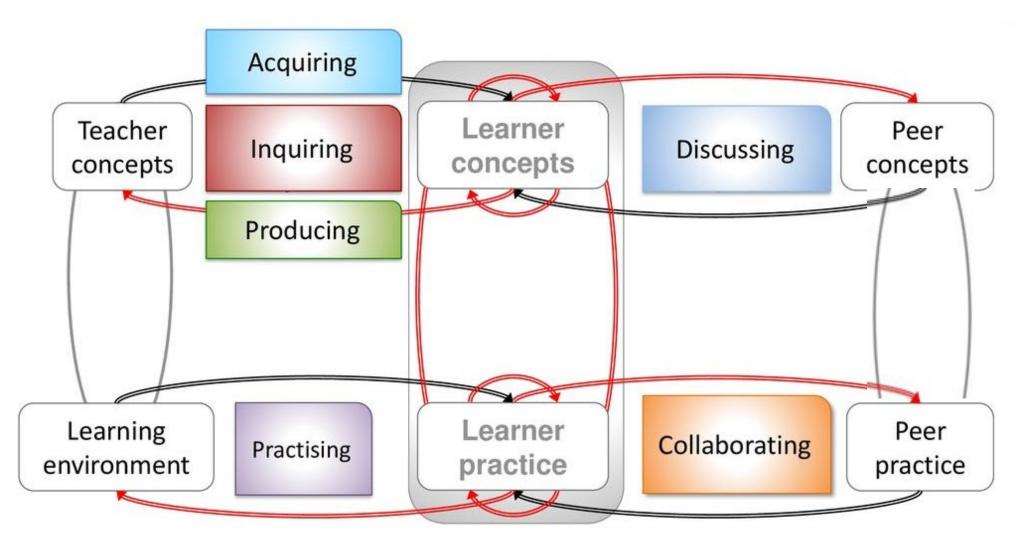


# Technology vs Teacher?



- 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 enable every learner to achieve their learning potential

# Conversational framework for learning



# What are the six learning types?

With Professor Diana Laurillard



# Online Teaching: Baking cookies 101

#### Class 1

#### **Outcome:**

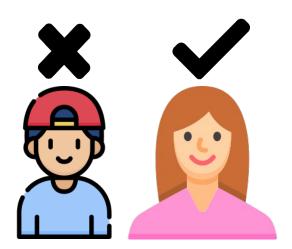
The student will be able to apply the principles in formulating sugar biscuits

#### Online activity:

Three research articles to read



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



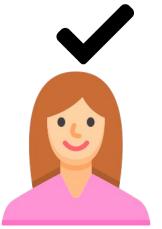


Working together on a recipe in a shared online document

Students engaged with these learning activities?



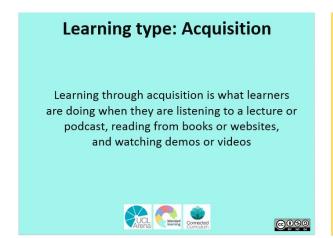


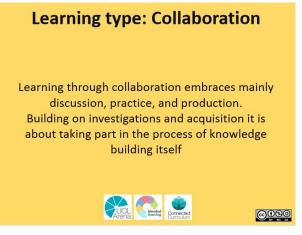




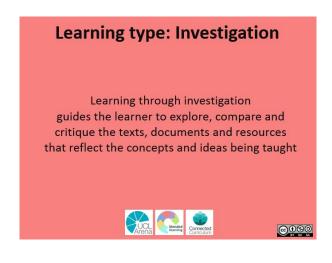
# Read, write, listen / Acquisition Collaboration **Production** Discussion **Practice** Inquiry / Investigation

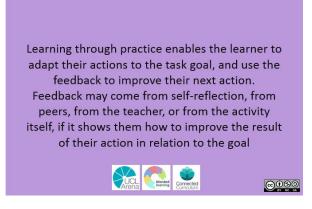
# Tool 1: Learning types cards



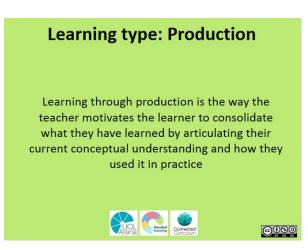






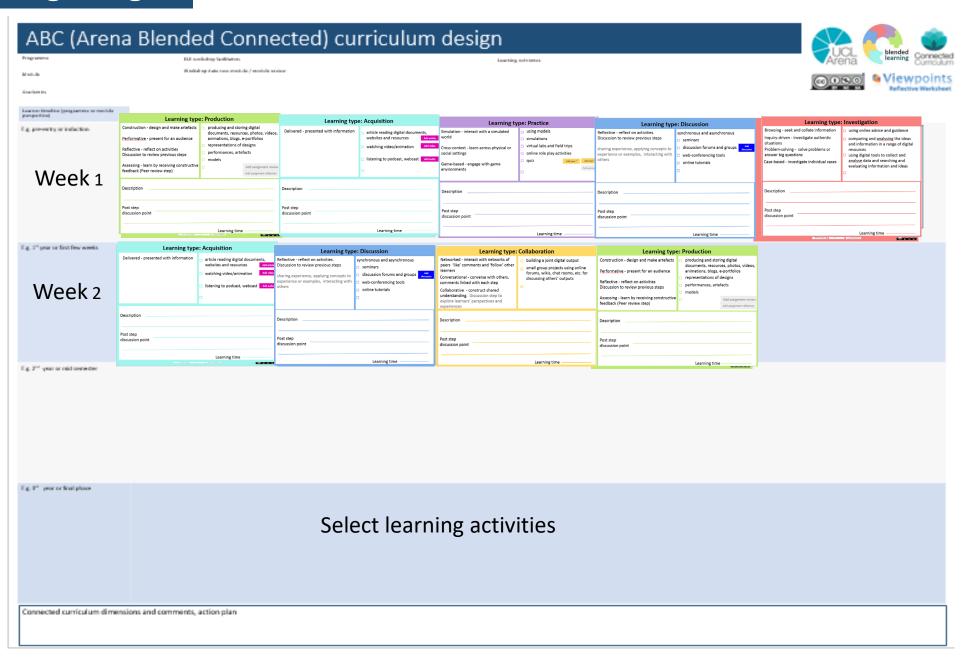


**Learning type: Practice** 



#### ABC (Arena Blended Connected) curriculum design Windship data non-mobile / emobile services Manhala Placing of different learning type postcard-size cards - storyboard Learner timeline (perguamere removiele pemperhine) Learning type: Acquisition Learning type: Discussion Learning type: Discussion E.g. pre-entry or induction Learning type: Practice Learning type: Investigation Learning type: Production Learning type: Collaboration Learning through practice enables the learner to Learning through discussion requires the learner Learning through investigation adapt their actions to the task goal, and use the to articulate their ideas and questions, guides the learner to explore, compare and Learning type: Investigation feedback to improve their next action. and to challenge and respond to the ideas and Week 1 critique the texts, documents and resources Feedback may come from self-reflection, from questions from the teacher, that reflect the concepts and ideas being taught Learning through collaboration embraces mainly peers, from the teacher, or from the activity and/or from their peers discussion, practice, and production. itself, if it shows them how to improve the result Building on investigations and acquisition it is of their action in relation to the goal about taking part in the process of knowledge Learning through investigation building itself guides the learner to explore, compare and Corrected Corrected critique the texts, documents and resources that reflect the concepts and ideas being taught E.g. 2" year or first few weeks CONTROL CARRON Week 2 E.g. 2" year or raid semester Learning type: Acquisition Learning type: Discussion Learning type: Investigation Learning type: Production Learning through acquisition is what learners Learning through discussion requires the learner Learning through production is the way the Learning through investigation are doing when they are listening to a lecture or to articulate their ideas and questions. Week 3 teacher motivates the learner to consolidate guides the learner to explore, compare and podcast, reading from books or websites, and to challenge and respond to the ideas and what they have learned by articulating their critique the texts, documents and resources and watching demos or videos questions from the teacher, current conceptual understanding and how they that reflect the concepts and ideas being taught and/or from their peers used it in practice Corrected Screeced Corrected Corrected Corrected Corrected E.g. I" pear or final phase Learning type: Collaboration Learning type: Production Week 4 Learning through collaboration embraces mainly Learning through production is the way the discussion, practice, and production. teacher motivates the learner to consolidate Building on investigations and acquisition it is what they have learned by articulating their current conceptual understanding and how they about taking part in the process of knowledge used it in practice Connected curriculum dimensions and comments, action plan

#### **ABC** learning design

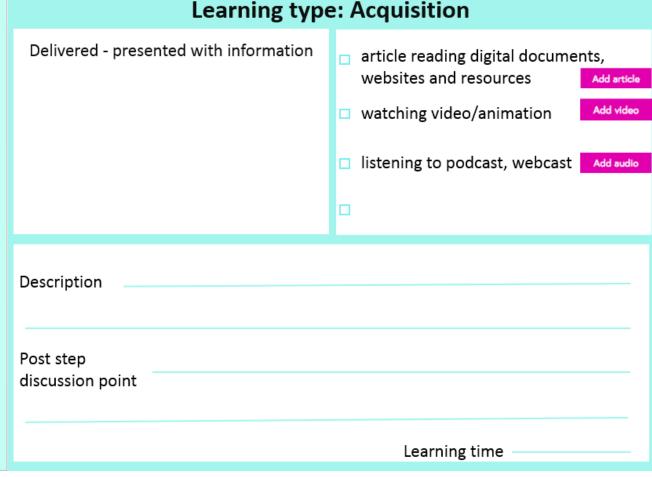


#### **ABC** learning design

# 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.





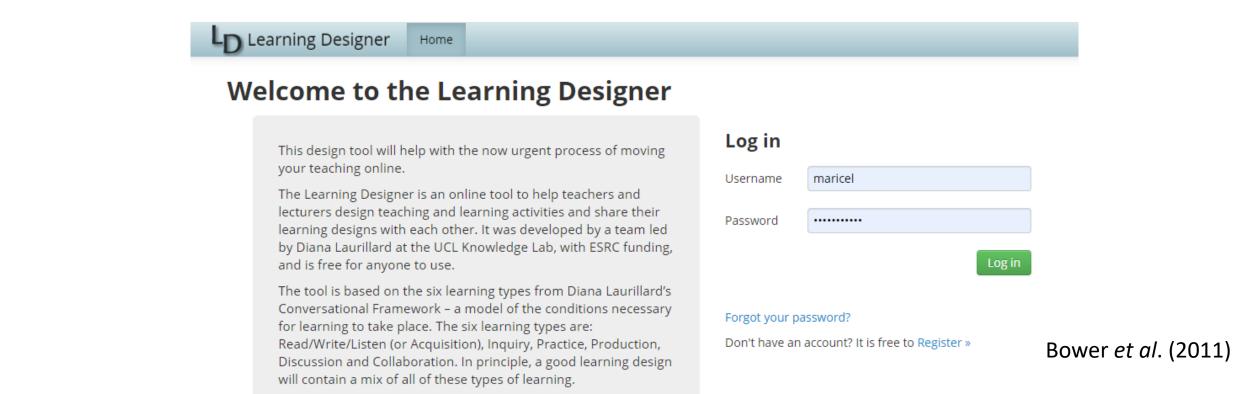




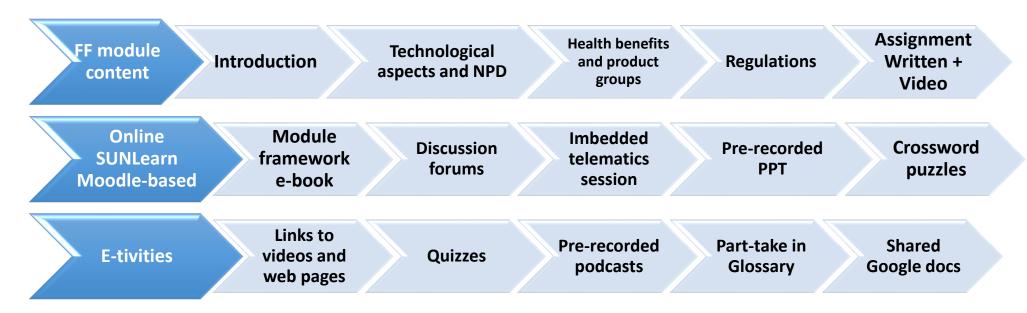


# Tool 2: The Learning Designer

- This design tool will help with the now urgent process of moving your teaching online
- Free online tool <a href="https://www.ucl.ac.uk/learning-designer/">https://www.ucl.ac.uk/learning-designer/</a>
- An introduction to Learning Designer-<a href="https://www.youtube.com/watch?v=S0edRboC9vl">https://www.youtube.com/watch?v=S0edRboC9vl</a>



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





LEARNING MANAGEMENT SYSTEM



**VEHICLE** 



THEORETICAL FRAMEWORK



Learning Designer

#### **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.

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

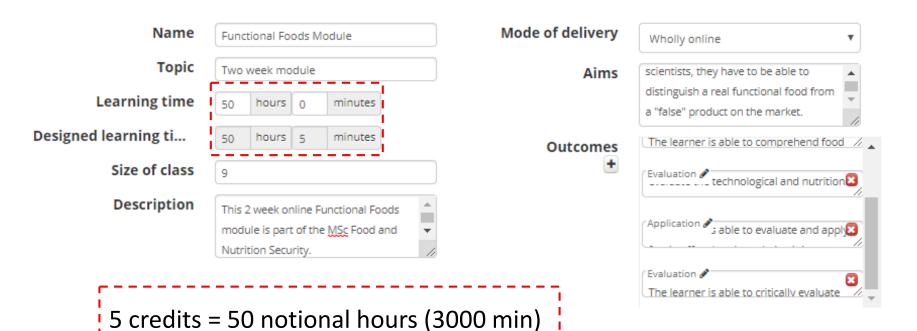
Username maricel Password \*\*\*\*\*\*\*\*\*\* Log in

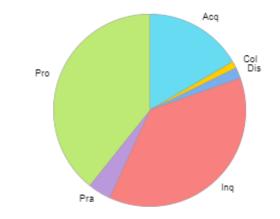
#### Forgot your password?

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



# Learning designer





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



Learning time (notional hours)

Learning design time

#### 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

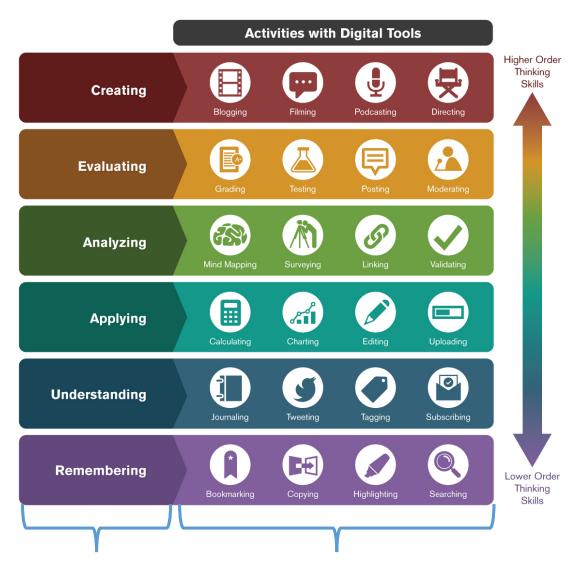
Assistance through the power point presentations

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

https://teachonline.asu.edu/2 016/05/integratingtechnology-blooms-taxonomy/



Laurilard's 6 ways of learning (Learning Designer)

Bloom's Taxonomy

OUTCOMES: At the end of this module students will be able to:

What activity types should I choose to speak to the different ways students learn?

How many activities should I give?

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

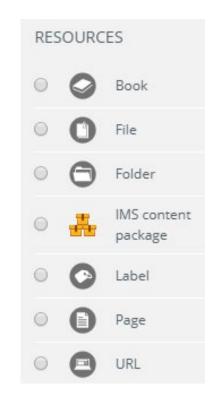
# Types of activity matched to learning types

•	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	
•	Construction	design and make artefacts	Production
•	Reflective	reflect on activities Discussion to review previo	us step

ACTIVITY	Acquisition	Inquiry	Production	Practice	Discussion	Collaboration	ACTIVITIES	
Adobe connect							Adobe Connect	SUNLearn
Assignment			Χ	X			Assignment	Moodle-based
Chat	Х	х	X	X	X	x	Attendance	
Choice								
Clicker								
Database		x	Χ	Χ			Choice	
Forum		x	Χ	Χ	X	x	O O Clicker	o Journal
Glossary			X	Х			O E Database	Lesson
Group choice							External tool	MHCampus Connect2
HotPot		X	X	X	Х	x	O Porum	Questionnaire
Journal							○ <b>G</b> lossary	O Quiz
Lesson			X	Χ			Group choice	Scheduler
Questionnaire		x					O NotPot	SCORM package
Quiz			Χ	Χ				Survey
Survey		x						Turnitin
Turnitin Assignment 2			X	X				Assignment 2  Wiki
Wiki			X	X				○ Workshop
Workshop			х	Х				

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

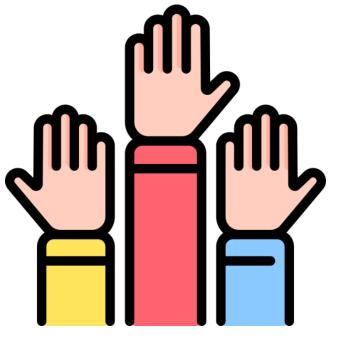
ACTIVITY (OTHER)	Acquisition	Inquiry	Production	Practice	Discussion	Collaboration
Reflect (Blog)	Χ	х	Х	х		x
Reading lists	Χ					
Shared Google docs						X



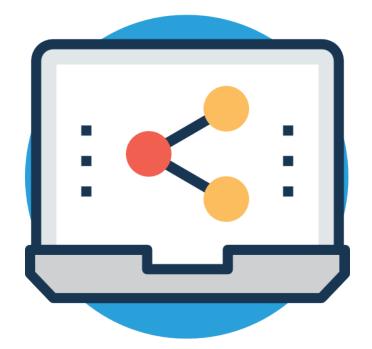
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# Thank you



Questions?



Please share experiences of online design and teaching so far!