

Why do we need high quality online learning?



What counts as high quality online learning?



Outline

Why do we need high quality online learning?

What counts as high quality online learning?

What makes a good online learning design?

Building knowledge about high quality online learning



Why do we need high quality online learning?

The UN Sustainable Development Goals





































Quality education for all underpins all the SDGs

Why do we need high quality online learning?

Pandemics

Globally, over 1.2 billion children are out of the classroom

All university students will be studying at least partly on line this year

A collaborative global approach to health and wellbeing requires universal education

Sustainability

Around 2.4% of global CO2 emissions come from aviation. The industry is responsible for around 5% of global warming.

Globally, only 20% of the population have ever taken a flight. We frequent flyers contribute a very disproportionate share of emissions.

Reducing air travel is one of the most effective things individuals can do to shrink their carbon footprints.



What counts as high quality online learning?

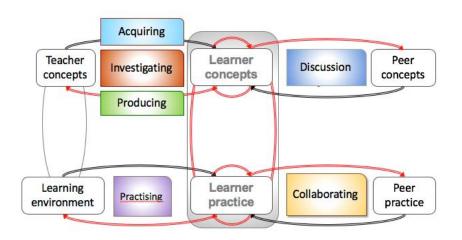
What counts as high quality learning?

The Conversational Framework

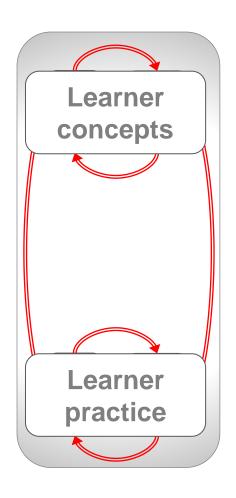
Derived from theories and research on learning and teaching (Laurillard, 2002, 2012)

To represent the teaching-learning process as

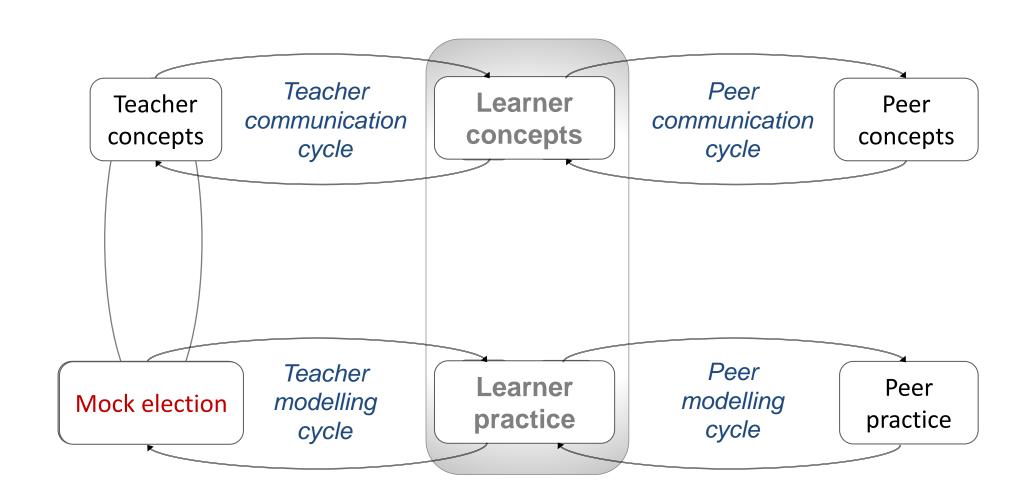
- a series of iterative exchanges
- between the learner and a 'teacher' and
- between a learner and their peers
- at two levels of concepts and practices

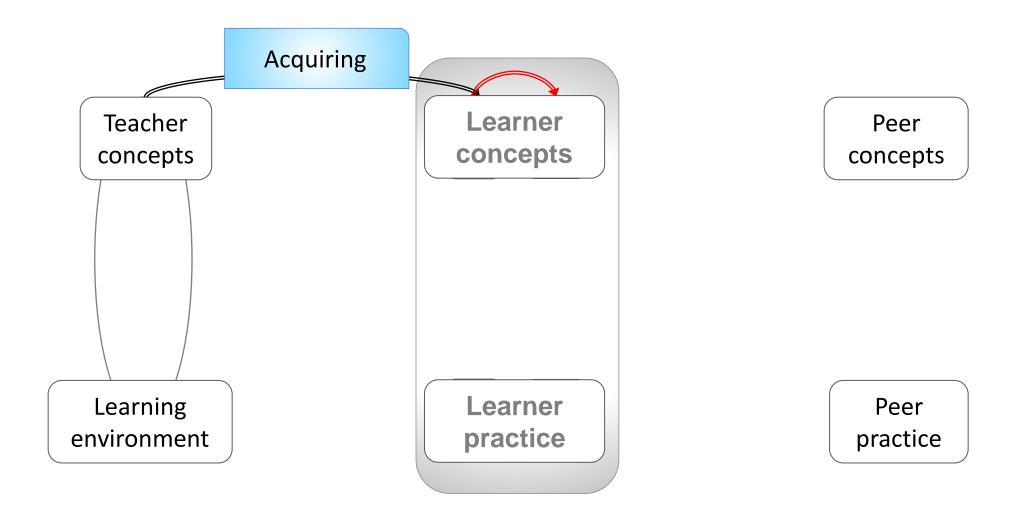


What does it take to learn in formal education?

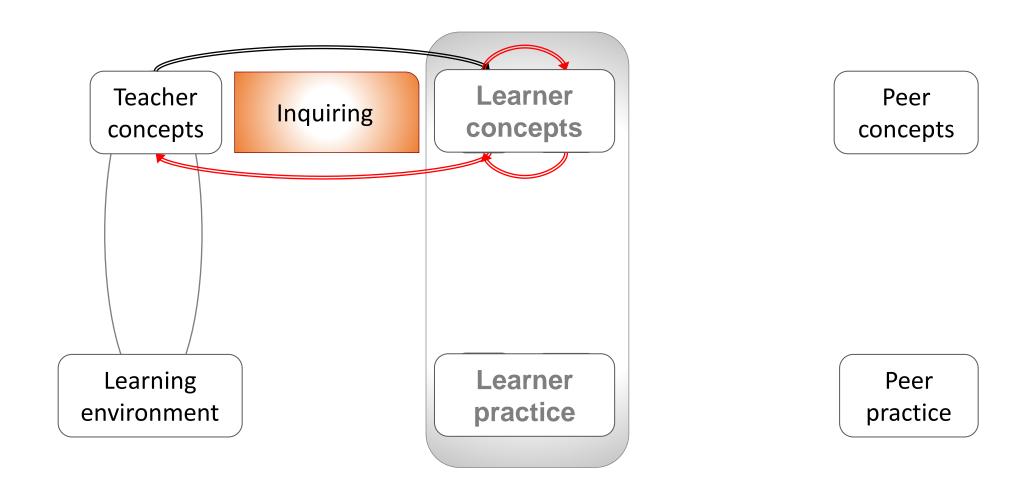


What does it take to learn in formal education?

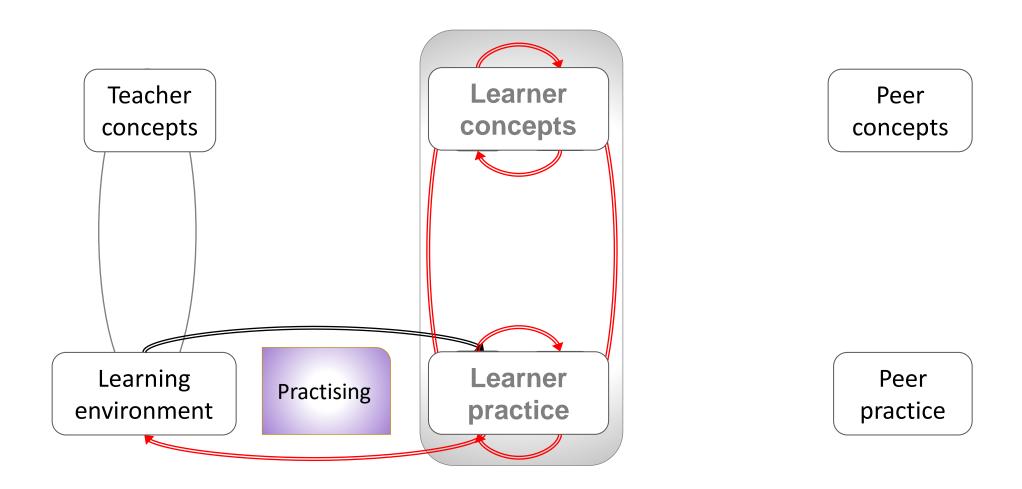




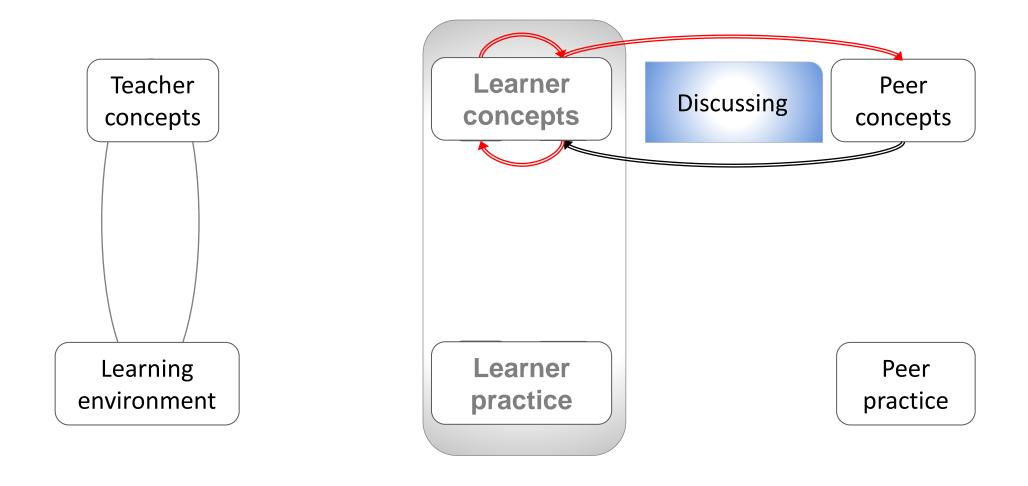
Learning through 'acquisition'



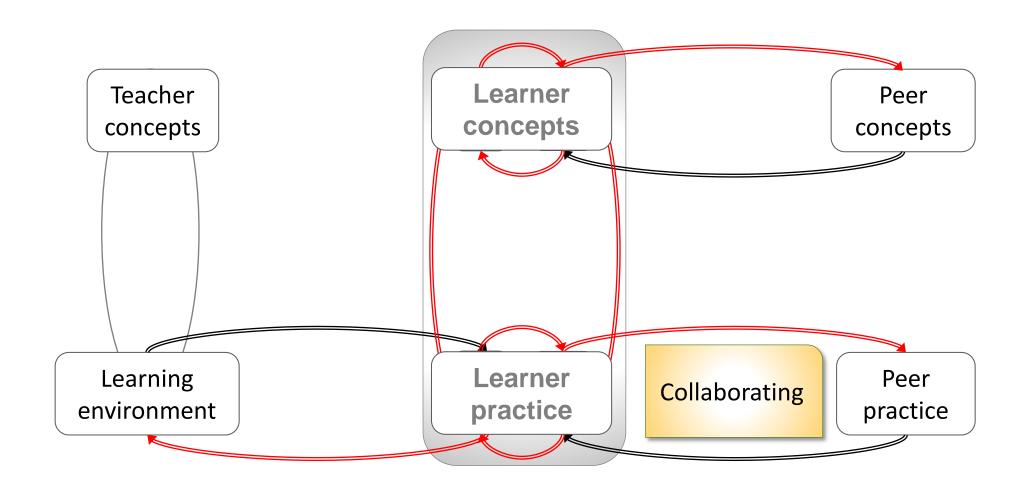
Learning through 'inquiry'



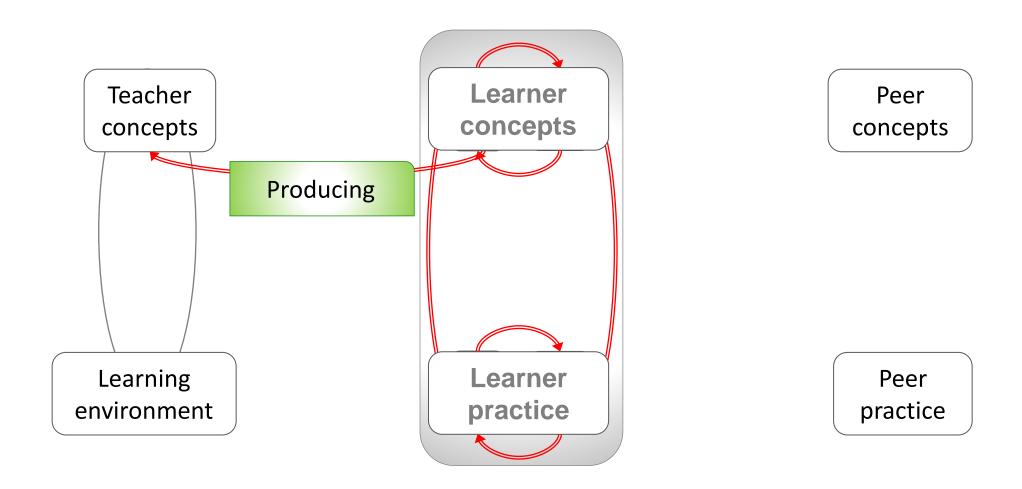
Learning through 'practice'



Learning through 'discussion'

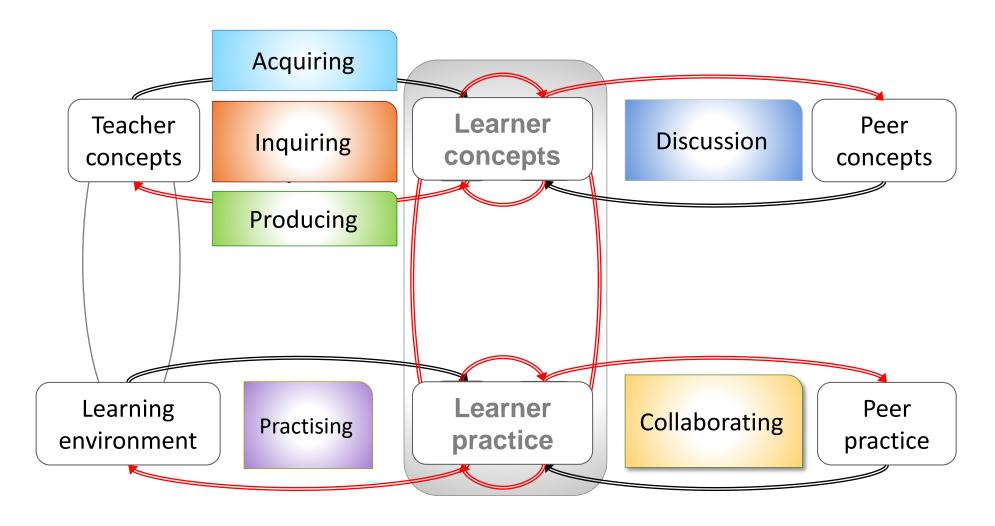


Learning through 'collaboration'



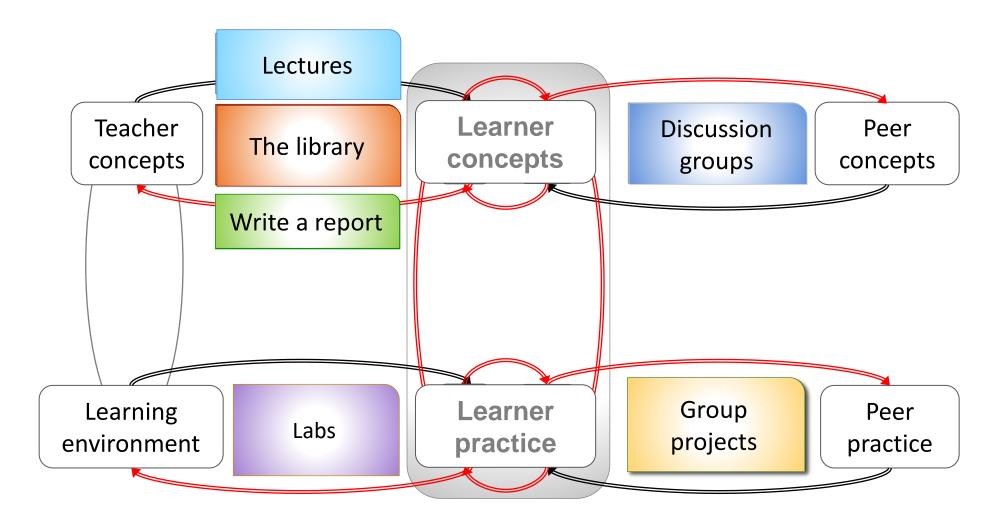
Learning through 'production'

How does technology help? Conventional methods



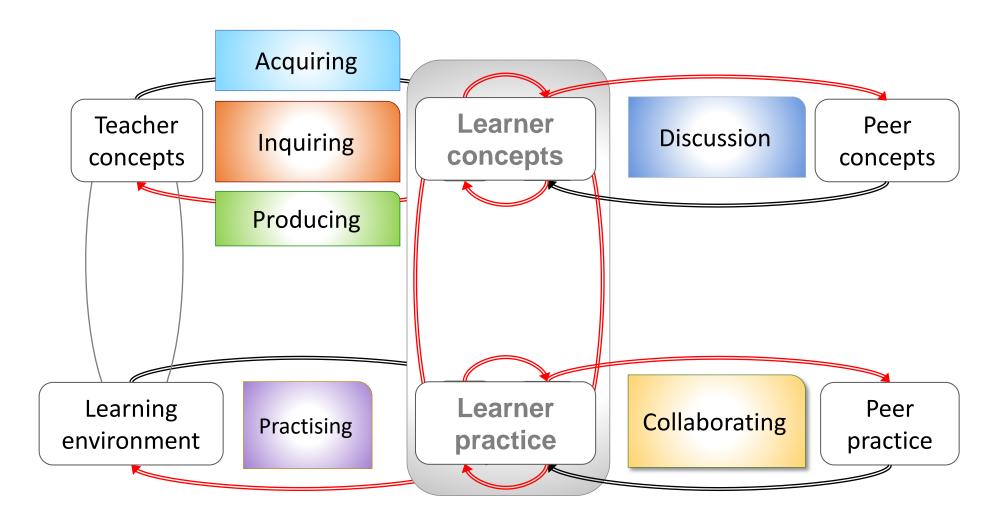
These learning types are encouraged through a variety of conventional methods

How does technology help? Conventional methods



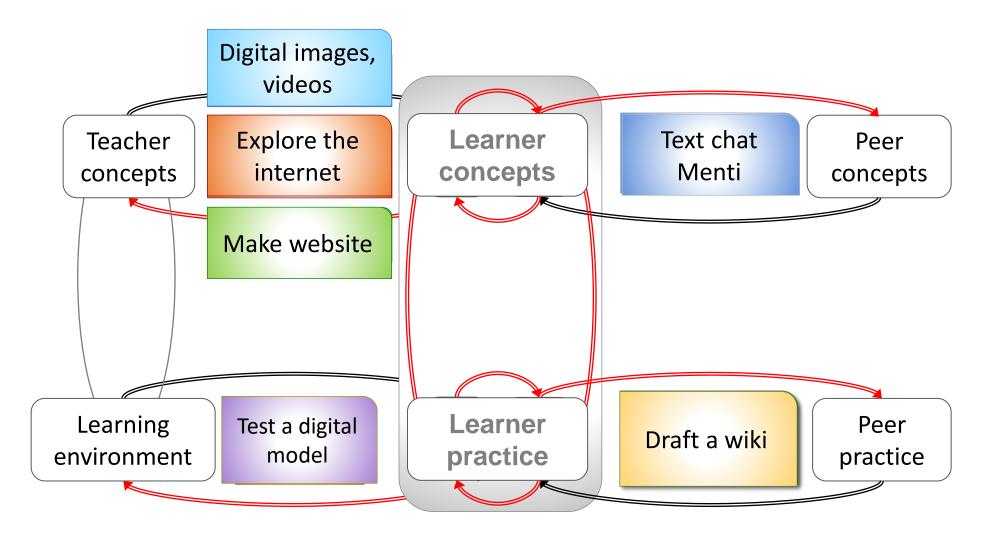
These learning types are encouraged through a variety of conventional methods

How does technology help CPD? Digital methods



The same learning types are encouraged also through a variety of digital methods

How does technology help CPD? Digital methods



The same learning types are encouraged also through a variety of digital methods



What makes a good online learning design?

What makes a good online learning design?

The Learning Designer

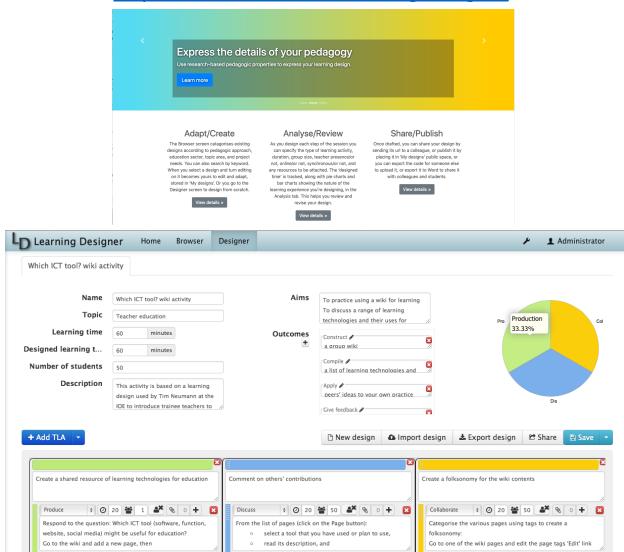
A free open online design tool to help with moving your teaching online.

Based on the six learning types from the Conversational Framework – a model of what it takes to learn.

Supports teachers and educators to

- design a sequence of blended and online teaching and learning activities
- analyse their pedagogic design
- share their learning designs with each other

https://www.ucl.ac.uk/learning-designer



Express the details of your pedagogy

Use research-based pedagogic properties to express your learning design.

Learn more

Adapt/Create

The Browser screen catagorises existing designs according to pedagogic approach, education sector, topic area, and project needs. You can also search by keyword. When you select a design and turn editing on it becomes yours to edit and adapt, stored in 'My designs'. Or you go to the Designer screen to design from scratch.

View details »

Analyse/Review

As you design each step of the session you can specify the type of learning activity, duration, group size, teacher presence/or not, online/or not, synchronous/or not, and any resources to be attached. The 'designed time' is tracked, along with pie charts and bar charts showing the nature of the learning experience you're designing, in the Analysis tab. This helps you review and revise your design.

View details »

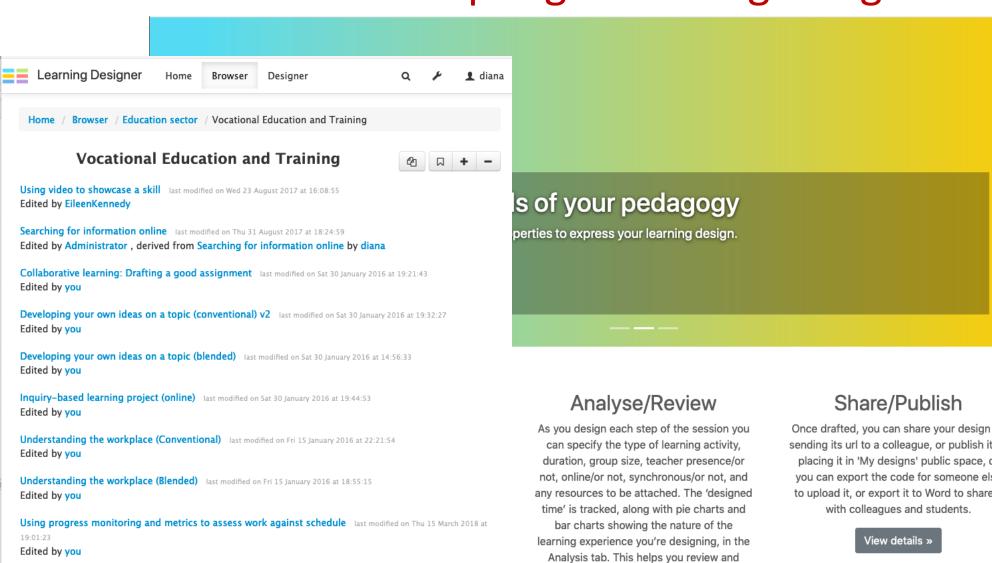
Share/Publish

Once drafted, you can share your design by sending its url to a colleague, or publish it by placing it in 'My designs' public space, or you can export the code for someone else to upload it, or export it to Word to share it with colleagues and students.

View details »

revise your design.

View details »



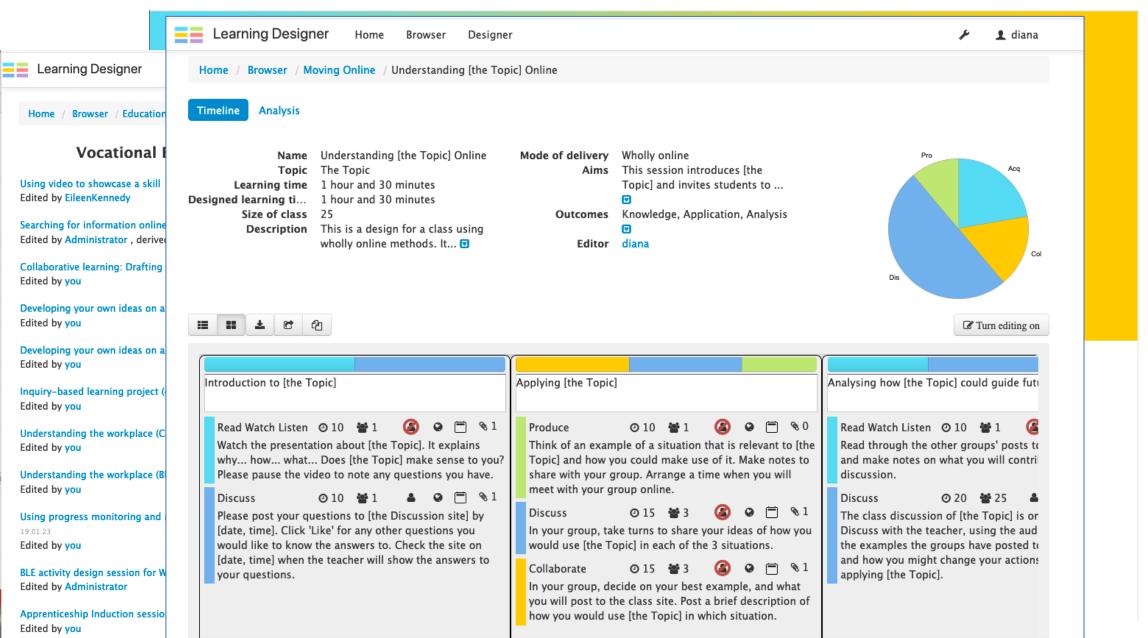
BLE activity design session for WCC last modified on Sun 30 July 2017 at 17:14:59

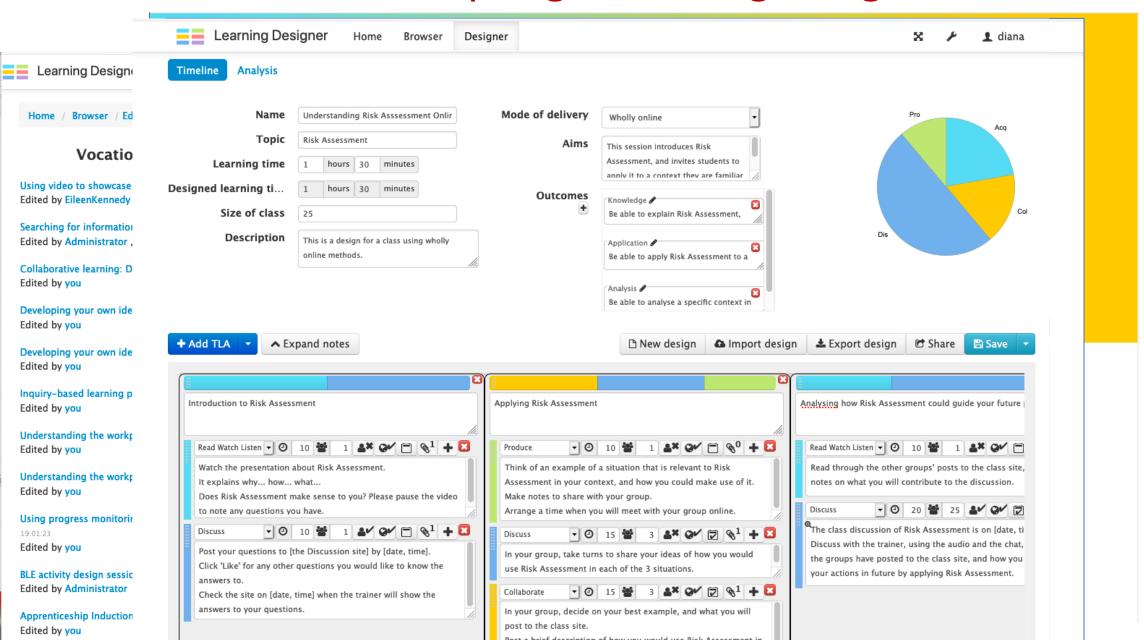
Apprenticeship Induction session | last modified on Fri 16 March 2018 at 15:54:04

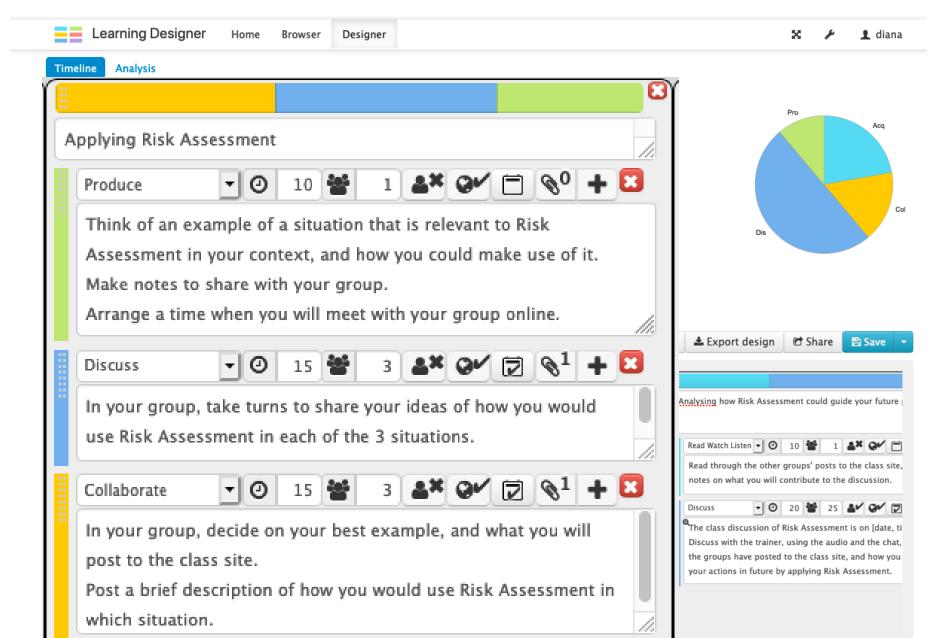
Edited by Administrator

Edited by you

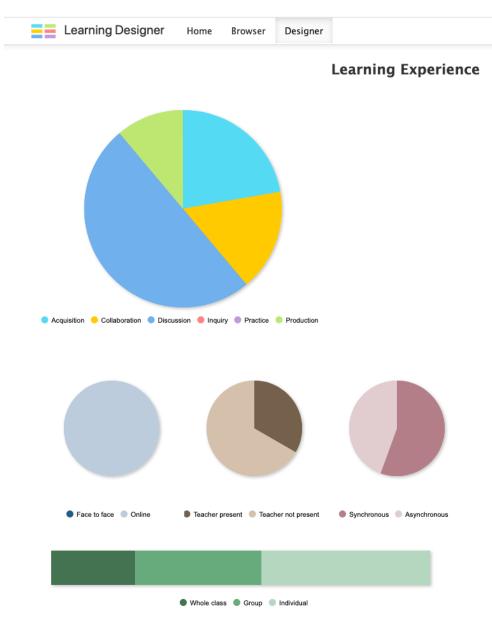
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Analysing a learning design



The pie-chart analyses the distribution of types of learning in the design, in this case, acquisition, collaboration and production, but mostly discussion. There are no rules about what it should be, but now you have the opportunity to consider if that looks appropriate

It is entirely online (pale blue), no f2f
There is some trainer presence (dark brown) to
respond to questions, and conduct the plenary
discussion

More than half is synchronous (dark pink) - with a group and with the trainer

There is mostly individual work (pale green), then groups, then whole class

Sharing a learning design

Learning Design for: Understanding Risk Assessment Online

Context

Topic: Risk Assessment

Total learning time: 1 hour and 30 minutes Designed learning time: 1 hour and 30 minutes

Size of class: 25

Description: This is a design for a class using wholly online methods.

Mode of delivery: Wholly online

Aims

This session introduces Risk Assessment, and invites students to apply it to a context they are familiar with.

Outcomes

Knowledge: Be able to explain Risk Assessment,

Application: Be able to apply Risk Assessment to a specific context

Analysis: Be able to analyse, a specific context in the light of [the Topic] and identify how it might change future actions

Teaching-Learning activities

+ Introduction to Risk Assessment

Read Watch Listen 10 minutes 1 student Tutor is not available Online

Watch the presentation about Risk Assessment.

It explains why... how... what...

Does Risk Assessment make sense to you? Please pause the video to note any questions you have.

Linked resources

Screencast or video

Discuss 10 minutes 1 student Tutor is available Online

Post your questions to [the Discussion site] by [date, time].

Click 'Like' for any other questions you would like to know the answers to.

Check the site on [date, time] when the trainer will show the answers to your questions.

Linked resources

Q&: A with the teacher

On the Designer screen you can Export your design to Moodle (upcoming version)

Or Export to Word, to send to learners, or discuss with others

You can also Share it by creating a url to send to colleagues

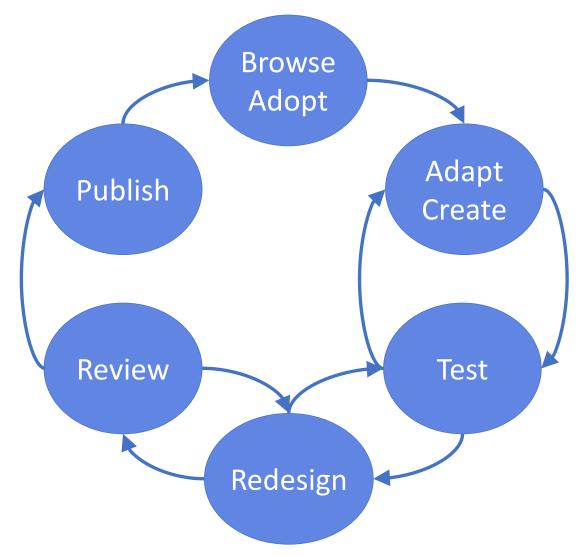


https://www.ucl.ac.uk/learning-designer



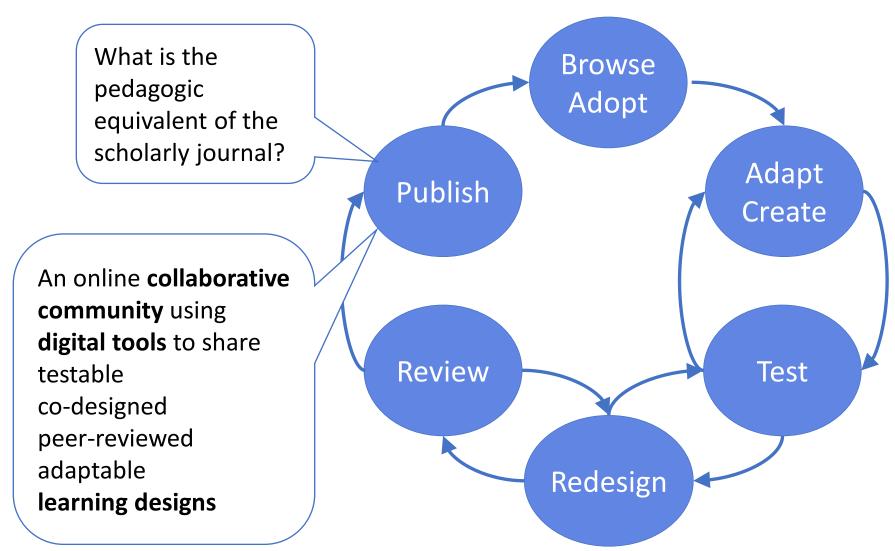
How can we build knowledge about high quality online learning?

A community of practice: innovating, testing, and sharing new ideas for effective design

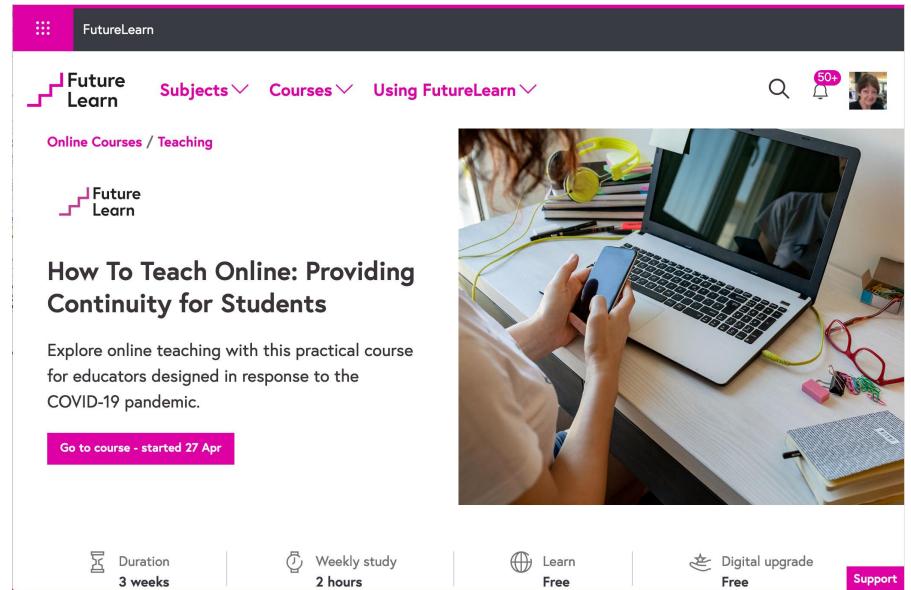


Building knowledge for science and scholarship

A community of practice: innovating, testing, and sharing new ideas for effective *online learning* design



Building knowledge of online learning design



FutureLearn course 'How to Teach Online'

Running since 23 March, >80,000 teachers from all sectors

Thousands of comments in discussions of every step

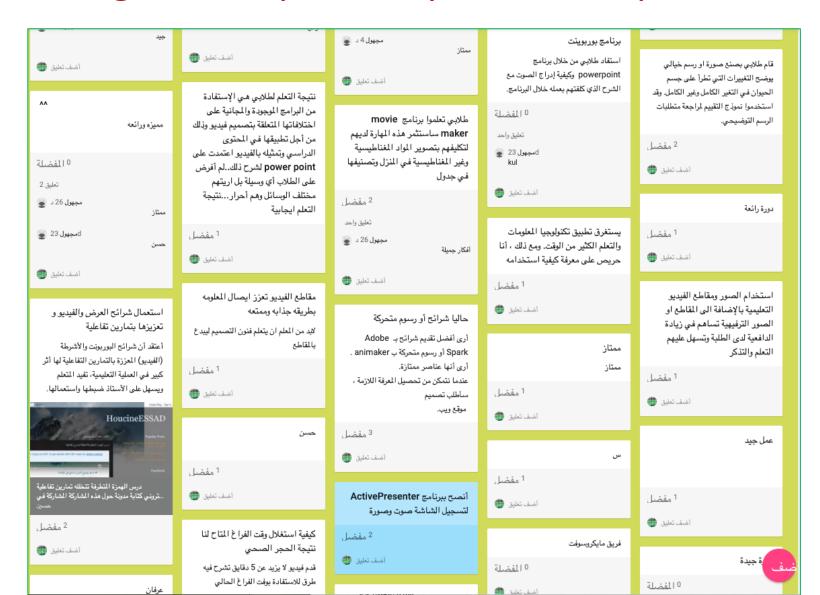
Sharing ideas and problem solutions

Professionals collaborating to build knowledge

Edraak course (Arabic) on 'Teaching Online'

Running since 26 April, >22,000 teachers across the MENA region

Sharing ideas and problem solutions on Padlet



padlet

Posts from observation skills padlet on Edraak



تجهيزات ال

J. — J.....

شادي نجيب من أكبر المشاكل في محيطي هي عدم تجهيز صفايات الأمطار في الطرق ومنظومة الصرف الصحي أو تجهيز أماكن الانتظار للمواصلات العامة بمظلات الحماية من المطر او الشمس . إضافة لعدم جودة الاسفلت في الطرق السريعة والكباري مما يسبب وجود نقر وحفر وتشوهات في الطرق بفعل عربيات



التنقل أثناء النهار

The lack of traffic regulation and the lack of pedestrian crossing places cause many accidents for pedestrians, the elderly, children

تجهيزات ال

One of the biggest problems in my environment is the lack of processing of rain storms in the roads and the sewerage system or the processing of waiting areas for public transport umbrellas protected from rain or sun. In addition to the lack of quality asphalt in highways and bridges, which causes the existence of tapping and digging and distortions in the roads by transport vehicles.



التنقل أثناء النهار

عدم تنظيم المرور وعدم وجود أماكن

مهدي الحمصي

ان وجود سيارات مركونة على الرصيف مع وجود اصحاب محال يعرضون سلعهم على الرصيف امر يؤدي الى ازدحام الرصيف مع وجود عوائق تؤقر سلباً على ذو الاحتياجات الخاصة



The present

owners of shops offering their goods on the sidewalk leads to congestion of the sidewalk with the presence of obstacles and afflicts negatively on the special

ساشارك بعض الصور من محيطي , حيث يمكنكم مشاهدة كيفية استغلال المجلات و التعدي على الارصفة المعدة خصيصا للمشاة , كما عدم وجود اماكن مخصصة لقطع الشارع وصعوبتها للاشهاص ذوي الاحتياجات الخاصة

Participants applied their

in their local environments,

explain their analysis.

adding a photo and a note to

observation skills to collect data



بعض التحديات من حولي

As we share the challenges of people from a comprehensive design perspective.

I will share some pictures from my surroundings, where you can see how to exploit magazine encroach on sidewalks spec designed for pedestrians, as well



The UN Sustainable Development Goals



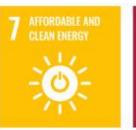






















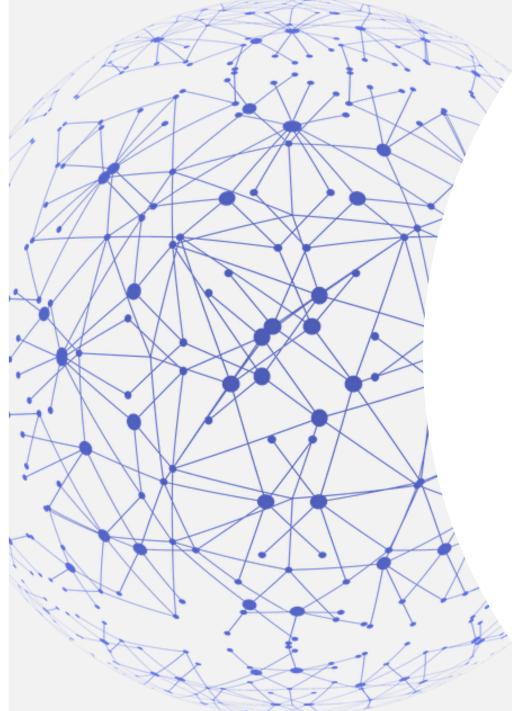












The future of online learning

We need high quality online learning to reach all who need it, and for sustainability

High quality online learning will focus on making the learner an active participant in learning

A good learning design will sequence a range of types of learning

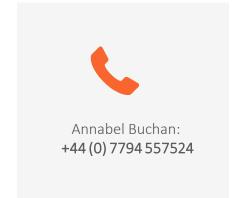
We now have the technologies to build community knowledge about high quality online learning



CONTACT











For more information about the PSCI please contact:

PSCI Secretariat

Carnstone Partners Ltd Durham House Durham House Street London WC2N 6HG

info@pscinitiative.org

+44 (0) 7794 557 524

About the Secretariat

Carnstone Partners Ltd is an independent management consultancy, specialising in corporate responsibility and sustainability, with a long track record in running industry groups.

