

Why do we need high quality online learning?

为什么 我们需要高质量的在线学习内容?



What counts as high quality online learning?

什么才算是高质量的 在线学习?



## Outline 概述

- Why do we need high quality online learning?我们为什么需要高质量在线学习?
- What counts as high quality online learning?什么才算是高质量在线学习?
- What makes a good online learning design?什么是好的在线学习设计?
- Building knowledge about high quality online learning
   建立关于高质量在线学习的知识



Why do we need high quality online learning?

为什么我们需要高质量在线学习?

### The UN Sustainable Development Goals 联合国可持续发展目标



Quality education for all underpins all the SDGs 全民素质教育是所有可持续发展目标的基础

## Why do we need high quality online learning? 我们为什么需要高质量在线学习

#### Pandemics 疫情大流行

- Globally, over 1.2 billion children are out of the classroom 全球有超过12亿儿童 离开了教室
- All university students will be studying at least partly online this year今年所有的 大学生将至少在线进行部分的学习
- A collaborative global approach to health and wellbeing requires universal education一个全球合作地改善健康和 幸福的方法需要普及教育

#### Sustainability 可持续性

- Around 2.4% of global CO2 emissions come from aviation. The industry is responsible for around 5% of global warming. 全球约2.4% 的二氧化碳排放来自航空业。该产业要对5%的全球变暖负责。
- Globally, only 20% of the population have ever taken a flight. We frequent flyers contribute a very disproportionate share of emissions.
   全球范围内,只有20%的人乘过飞机,经常乘飞机的人群所占的比例较小,但他们因此排放了大部分的温室气体,完全不成比例。
- Reducing air travel is one of the most effective things individuals can do to shrink their carbon footprints. 减少航空旅行是个人缩小碳足迹最有效的方法之一。



What counts as high quality online learning?

什么才算是高质量在线学习?

## What counts as high quality learning? 什么才算是高质量在线学习?

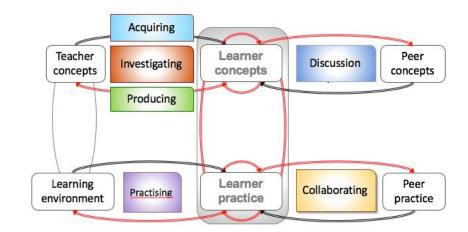
The Conversational Framework对话框架理论

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

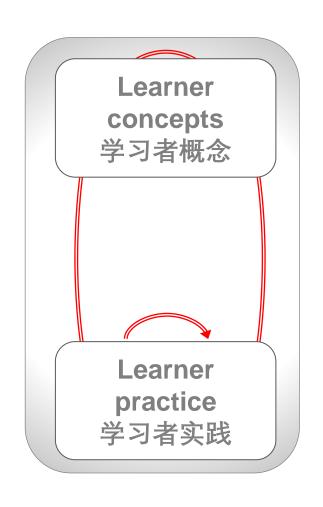
来源于学习与教学的理论与研究(Laurillard, 2002, 2012)

To represent the teaching-learning process as 将教一学过程表示为

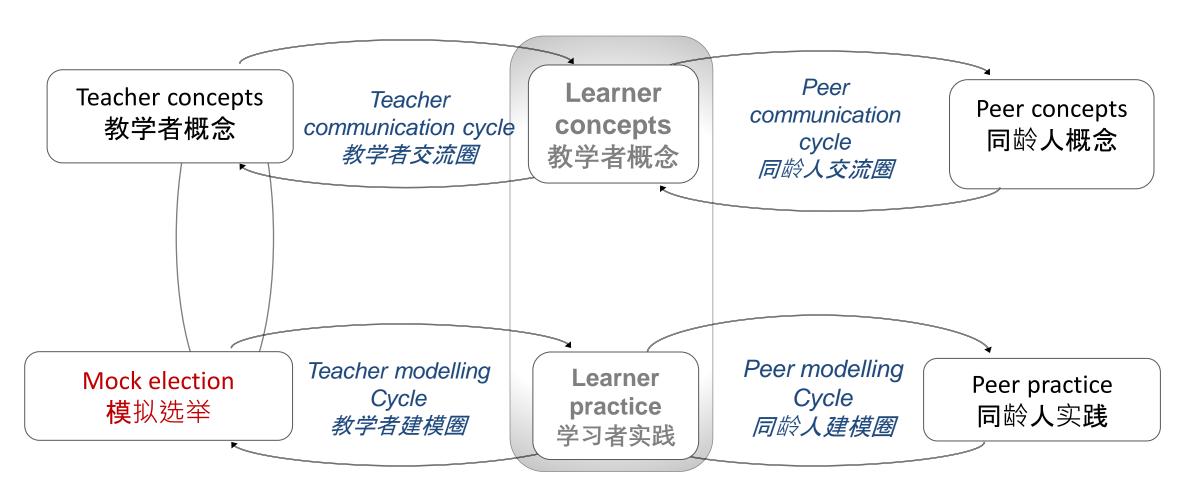
- a series of iterative exchanges 一系列的反复交换
- between the learner and a 'teacher' and 学习者和教学者之间
- between a learner and their peers 学习者和同龄人之间
- at two levels of concepts and practices 在概念和实践的两个层面

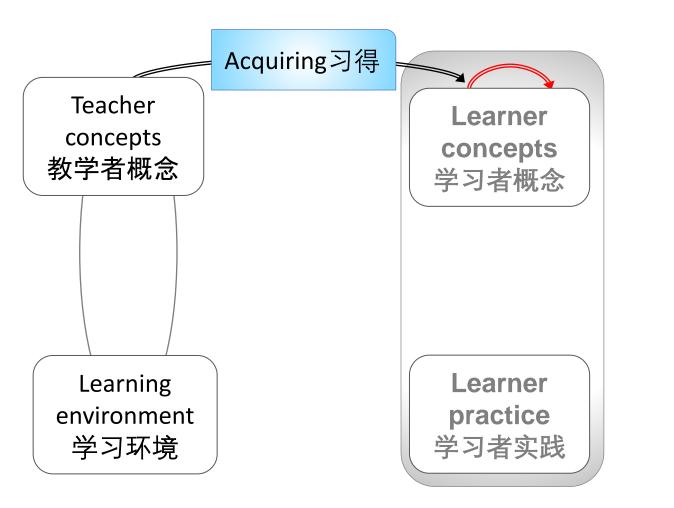


## What does it take to learn in formal education? 在正规教育中学习需要什么?



## What does it take to learn in formal education? 在正规教育中学习需要什么?

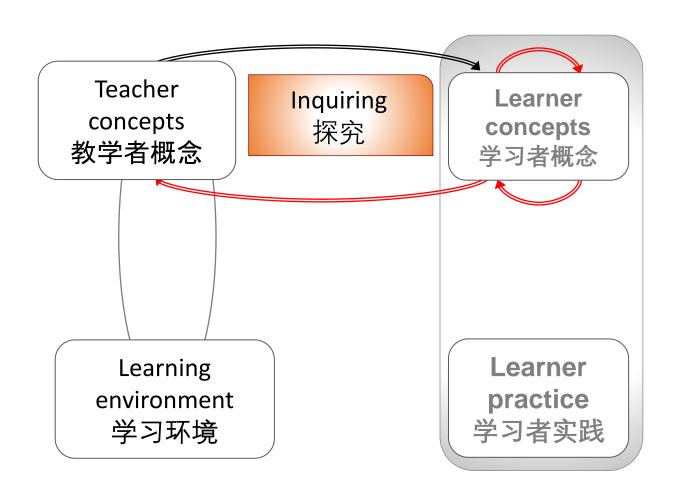




Peer concepts 同龄人概念

Peer practice 同龄人实践

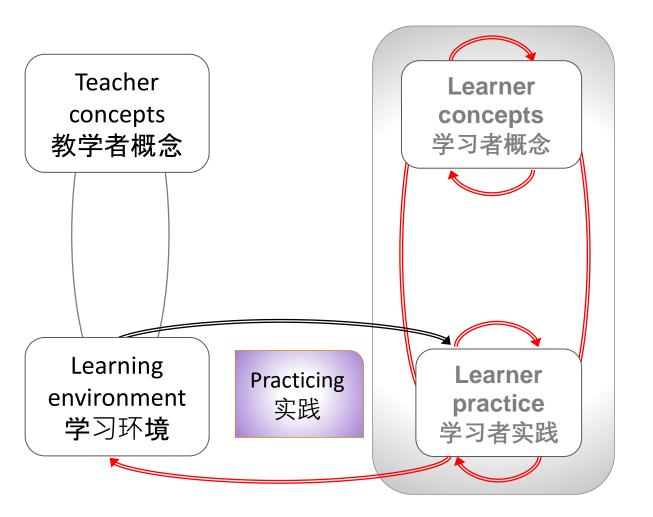
Learning through 'acquisition' 通过"习得"来学习



Peer concepts 同龄人概念

Peer practice 同龄人实践

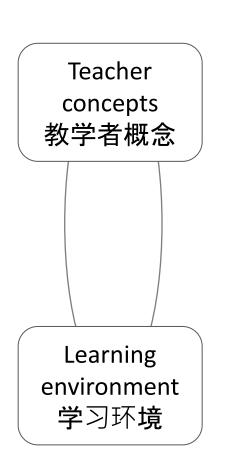
Learning through 'inquiry' 通过"探究"学习



Peer concepts 同龄人概念

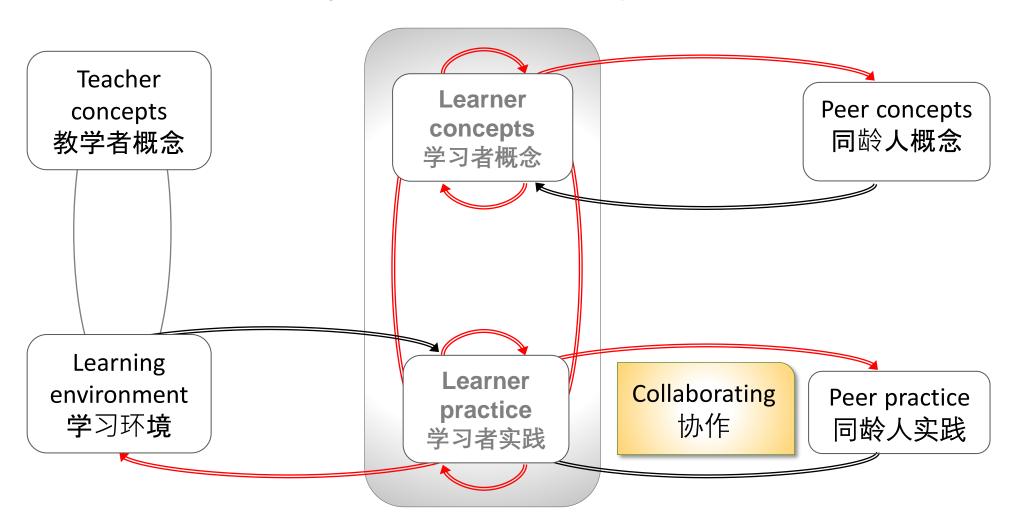
Peer practice 同龄人实践

Learning through 'practice'通过"实践"学习

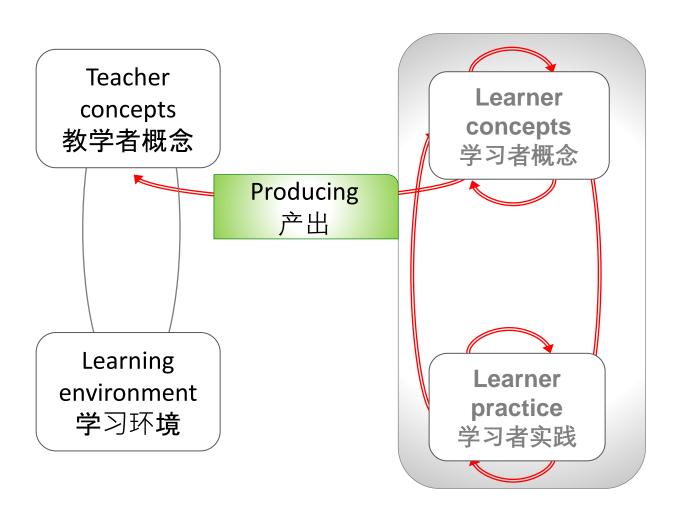




Learning through 'discussion' 通过"讨论"学习



Learning through 'collaboration' 通过"协作"学习

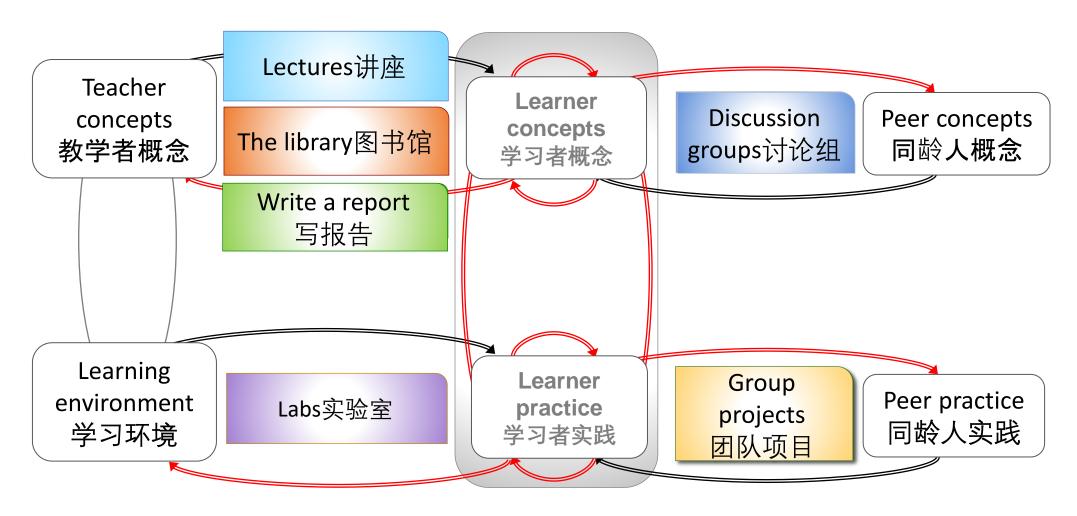


Peer concepts 同龄人概念

Peer practice 同龄人实践

Learning through 'production' 通过"产出"学习

## How does technology help? *Conventional methods* 科技在这有什么用? 常规方法



These learning types are encouraged through a variety of conventional methods 通过各种传统方法驱动的这些学习类型

### How does technology help CPD? Digital methods



The same learning types are encouraged also through a variety of digital methods 这些同样的学习类型现被各种数字工具驱动



What makes a good online learning design?

什么是好的在线学习设计?

### What makes a good online learning design?

### 什么是好的在线学习设计?

### The Learning Designer 学习设计器

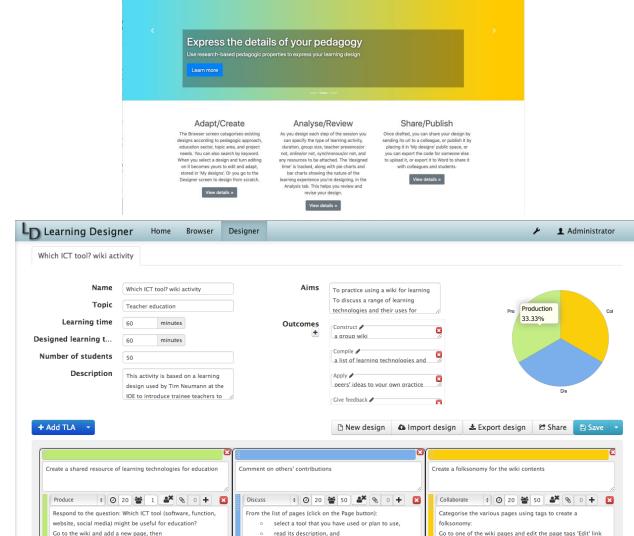
A free open online design tool to help with moving your teaching online. 一款免费开放的帮你将教学移至线上的设计工具

Based on the six learning types from the Conversational Framework – a model of what it takes to learn.基于对话框架(学习所需模型)的六种学习类型

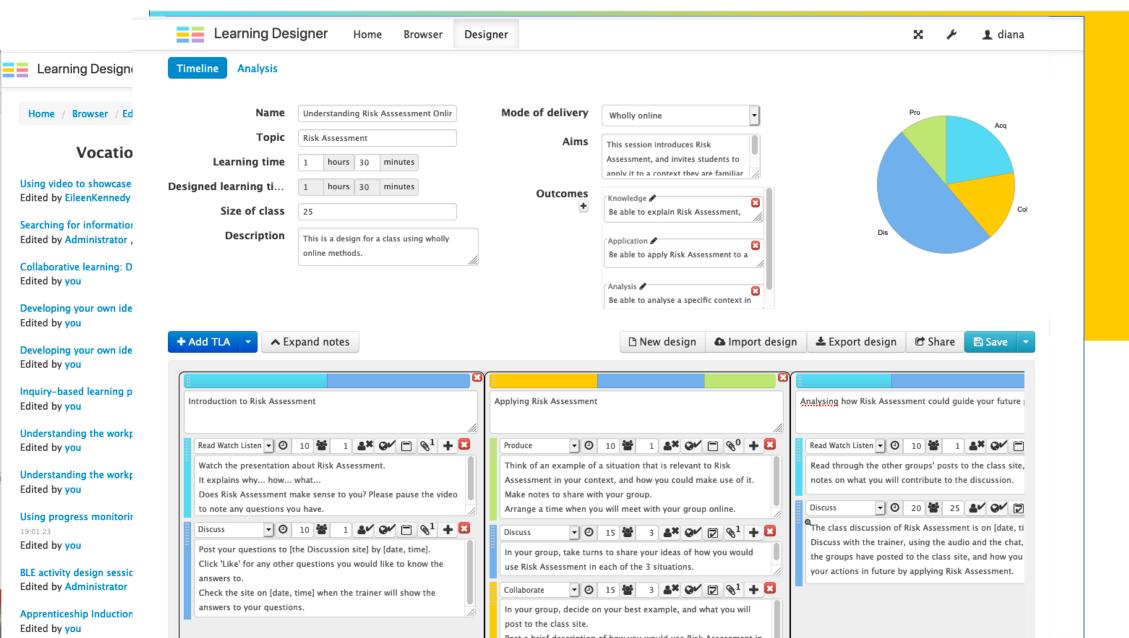
Supports teachers and educators to 可以支持教师和教育者

- design a sequence of blended and online teaching and learning activities设计一系列混合的在线教学活动
- analyse their pedagogic design分析他们的教学设计
- share their learning designs with each other彼此分享 学习设计

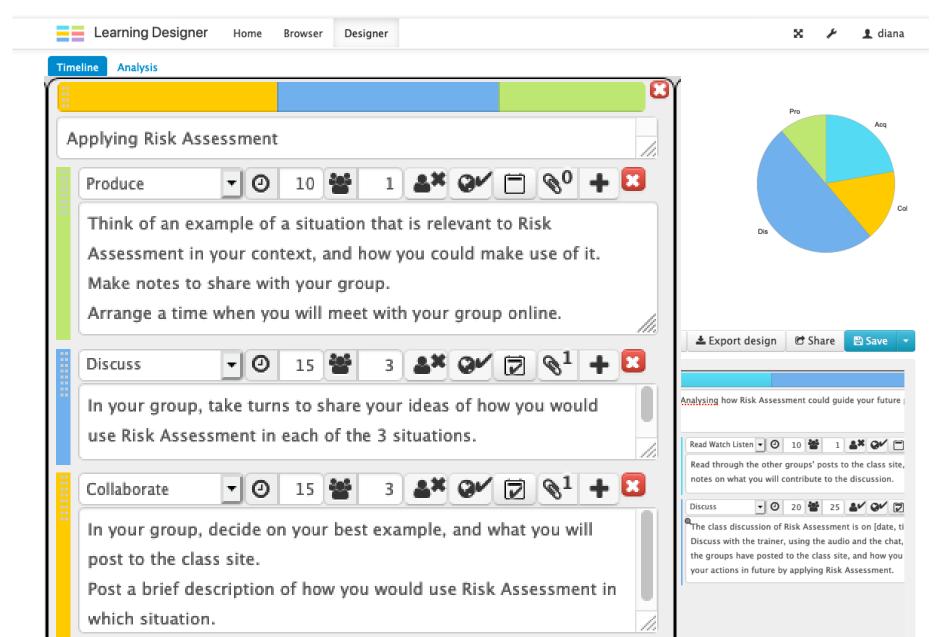
#### https://www.ucl.ac.uk/learning-designer



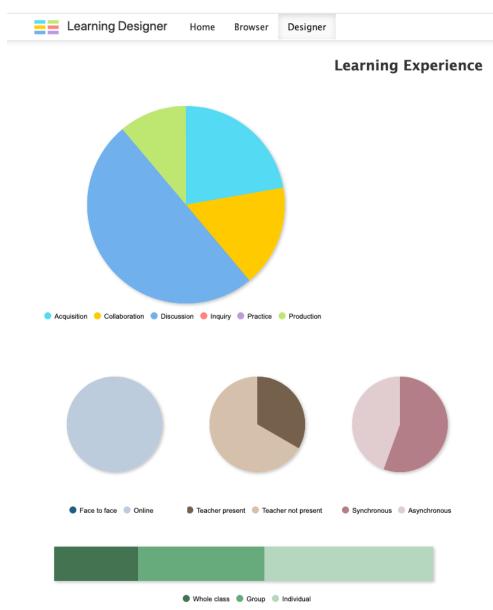
### Adapting a learning design 调整学习设计



### Adapting a learning design 调整学习设计



### Analysing a learning design 分析学习设计



The pie-chart analyses the distribution of types of learning in the design, in this case, acquisition, collaboration and production, but mostly discussion. 饼图分析了设计中学习类型的分布,在这种情况下,是习得、合作和产出,但主要是讨论。

There are no rules about what it should be, but now you have the opportunity to consider if that looks appropriate 没有关于它应该是什么的规则,但是现在你有机会考虑这是否合适

It is entirely online (pale blue), no f2f 它完全在线(浅蓝色),没有面对面的

There is some trainer presence (dark brown) to respond to questions, and conduct the plenary discussion有一些培训师在场(深棕色)回答问题, 并进行全体讨论

More than half is synchronous (dark pink) - with a group and with the trainer 超过一半是同步的(深粉色)-与团队和培训师

There is mostly individual work (pale green), then groups, then whole class 主要是个人作业(浅绿色),然后是小组,然后是全班

### Sharing a learning design 分享学习设计

#### 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 analysis, 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

O&amp: A with the teacher

On the Designer screen you can Export your design to Moodle (upcoming version) 在设计器屏幕上,您可以将您的设计导出到Moodle (即将发布的版本)

Or Export to Word, to send to learners, or discuss with others 或输出到Word,发送给学习者,或与他人讨论

You can also Share it by creating a url to send to colleagues 您也可以通过创建一个链接发送给同事来共享它



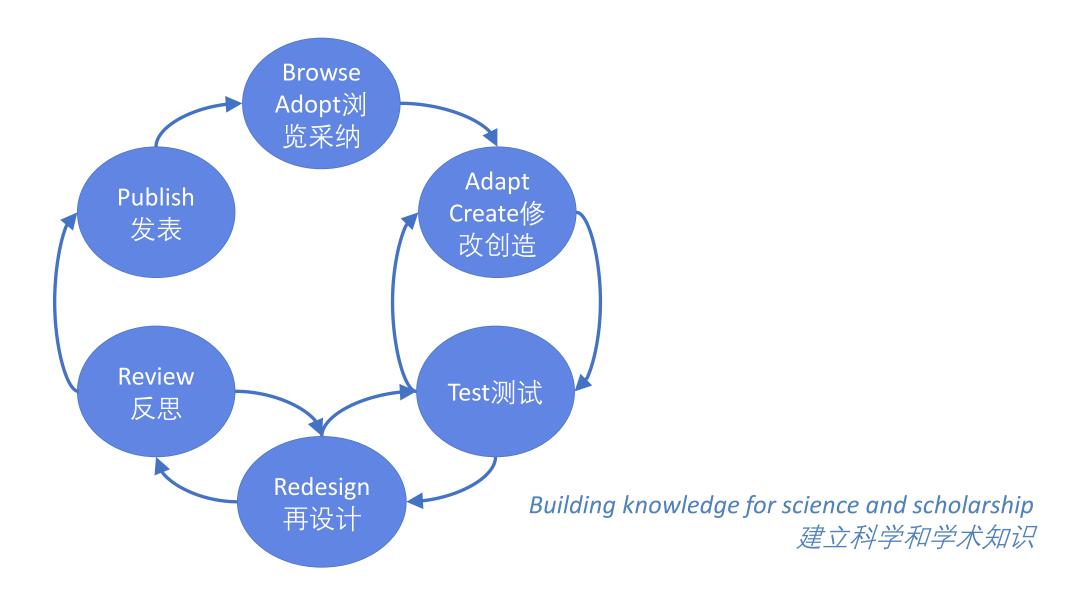
https://www.ucl.ac.uk/learning-designer



How can we build knowledge about high quality online learning?

如何建立关于高质量在线学习的知识?

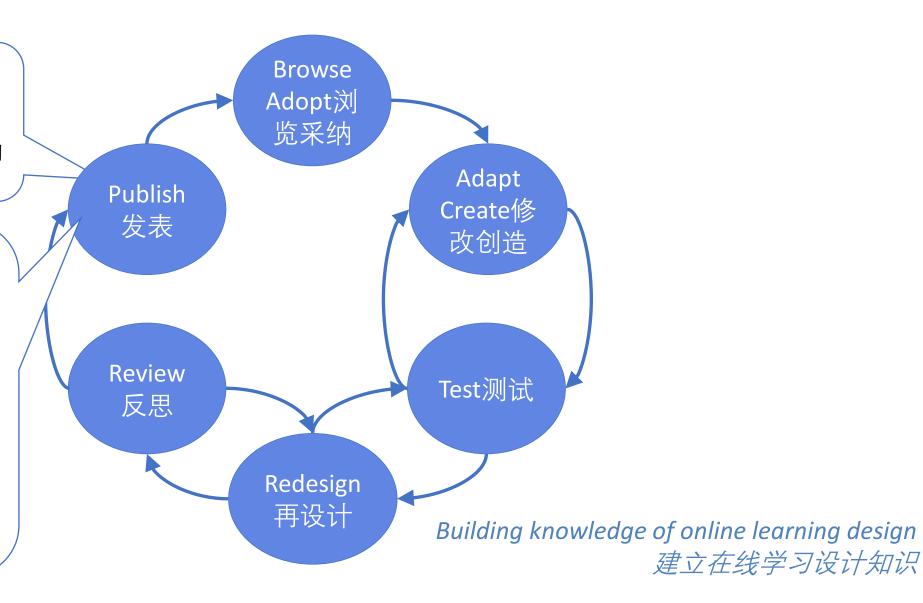
## A community of practice: innovating, testing, and sharing new ideas for effective design 实践社区:创新、测试和分享有效设计的新想法



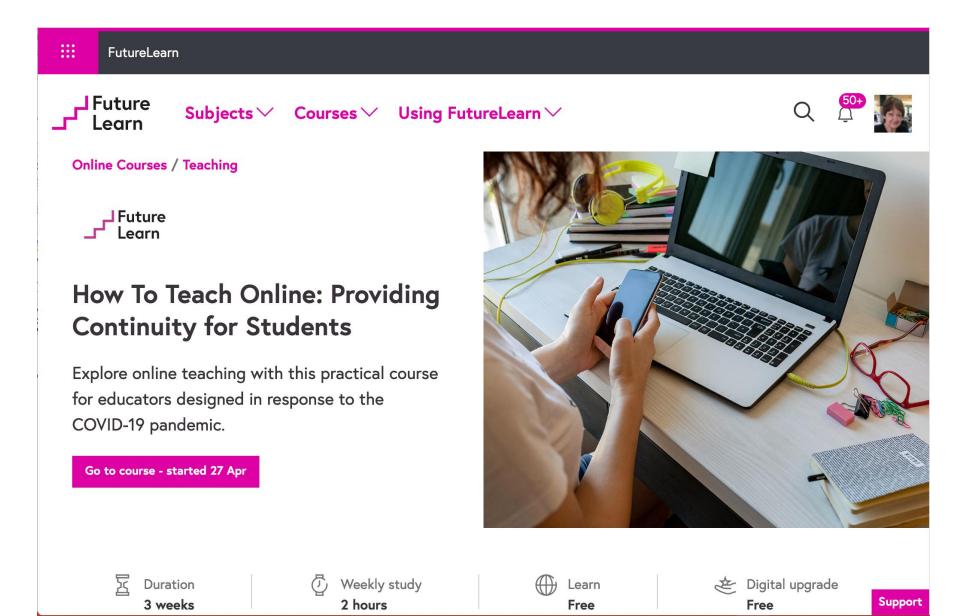
## A community of practice: innovating, testing, and sharing new ideas for effective *online learning* design 实践社区:创新、测试和分享有效在线学习设计的新想法

What is the pedagogic equivalent of the scholarly journal? 什么是与学术期刊同等的教学法?

An online collaborative community using digital tools to share testable co-designed peer-reviewed adaptable learning designs 在线协作社区使用数字工具共享可测试的共同设计的同行评审的可适应的



Large-scale online courses to orchestrate collaborative knowledge development by education professionals 大型在线课程,由教育专业人士协作编配知识开发



#### Large-scale online courses to orchestrate collaborative knowledge development by 大型在线课程,由教育专业人士协作编配知识开发 education professionals

padlet

Eileen Kennedy 

8d

#### Posts from observation skills padlet on Edraak

#### تجهيزات ال

شادي نجيب

من أكبر المشاكل في محيطي هي عدم تجهيز صفايات الأمطار في الطرق ومنظومة الصرف الصحى 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



Participants applied their observation skills to collect data in their local environments, adding a photo and a note to explain their analysis.

参与者运用他们的观察技能收集当地环境 中的数据,并添加一张照片和一张便条来 解释他们的分析。

the presence of obstacles and afflicts negatively on the special



خصيصا للمشاة, كما عدم وجود اماكن مخصصة لقطع الشارع وصعوبتها للاشهاص ذوى الاحتباحات الخاصة



#### 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 magazing encroach on sidewalks spec designed for pedestrians, as well

## The UN Sustainable Development Goals 联合国可持续发展目标



































# ICL Knowledge Lab UCL知识实验室

### The future of online learning 在线学习之未来

We need high quality online learning to reach all who need it, and for sustainability 我们需要高质量的在线学习,以惠及所有需要它的人,以保证可持续性

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

高质量的在线学习将致力于使学习者成为学习的积极参与者

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

一个好的学习设计将包含一系列的学习类型

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

多 我 们 现 在 有 技 术 来 建 立 关 于 高 质 量 在 线 学 习 的 社 区 知 识

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**PSCI** 



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制药供应链组织PSCI

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#### 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.

