

資訊科技教育教學法系列：
在中學個人、社會及人文教育相關科目
運用學習管理系統及資訊科技工具發展學生的自主學習能力



香港中文大學學習科學與科技中心 CLST

Centre for Learning Sciences and Technologies (CLST)
The Chinese University of Hong Kong



加入群組

https://chat.whatsapp.com/Ej8C2gAqJPo6BP3ijQCyxBR3AA_SS_CUHKCLST_SDLLMS



手機/平板：安裝 Apps

1. Google Classroom
2. Kahoot!
3. Nearpod
4. Quizlet
5. Edpuzzle
6. Quizizz
7. VLE (Canvas Teacher)
8. Explain Everything



課程目標

本課程旨在：

本課程旨在介紹如何在**中學個人、社會及人文教育相關科目**
運用**學習管理系統及資訊科技工具**發展學生的**自主學習**能力。

課程內容

1. 簡介現行可用作**促進學生自主學習**的學習管理系統及資訊科技工具的基本操作、限制及最新功能；
2. 於學習管理系統製作簡單**電子學習材料**、**電子評估活動**、**發放材料**及**收集學生課業與回饋**的基本技巧；
3. 透過**學校個案**，探討如何運用可整合至學習管理系統的資訊科技工具進行學習活動，以促進學生自主學習；
4. 就**不同的學習管理系統**及資訊科技工具在中學人文學科的應用作**比較**；及
5. 有效運用學習管理系統及資訊科技工具進行**面授課堂**及**實時網上授課**。

課堂安排 (第一節)

目標:

1. 有關**自主學習 (SDL)** 的相關學理
2. 不同**學習管理系統 (LMS)** 及**資訊科技工具 (IT TOOLS)**的基本操作、限制及功能
3. 於學習管理系統製作簡單**電子學習材料**、**電子評估活動**、**發放材料**及**收集學生課業與回饋**的基本技巧



課堂安排 (第一節)

1. 有關**自主學習 (SDL)** 的相關學理
2. 不同**學習管理系統 (LMS)** 的基本學教功能、共通元素、使用限制及最新發展功能
3. 不同**資訊科技工具 (IT TOOLS)** 的基本學教功能、共通元素、使用限制及最新發展功能
4. 學習管理系統製作簡單**電子學習材料、電子評估活動、發放材料及收集學生課業與回饋**的基本技巧
 - a. 實際應用及操作：Microsoft o365
 - b. 實際應用及操作：Google Classroom
5. 習作講解



課堂安排 (第二節)

目標:

1. 於學習管理系統製作簡單電子評估活動、實時協作學習、提升學教效能
2. 掌握如何選擇合適的學習管理系統及資訊科技工具，於人文學科促進學生自主學習
3. 掌握如何通過學習管理系統及資訊科技工具，推展面授課堂及實時網上教學



課堂安排 (第二節)

1. 習作回饋
2. 掌握如何製作及進行簡單**電子評估活動** (40 分鐘)
 - a. Google Form
 - b. HKEDCITY – STAR
3. 掌握如何製作及進行簡單**實時協作學習** (30 分鐘)
 - a. Padlet
 - b. Explain Everything
 - c. Coggle



課堂安排 (第二節)

4. 掌握如何提升及加強**學教效能** (30 分鐘)
 - a. Edpuzzle
 - b. FlipGrid
 - c. Pear Deck
5. 掌握**如何選擇合適**的學習管理系統及資訊科技工具，於人文學科促進學生自主學習
6. 掌握如何通過學習管理系統及資訊科技工具，推展**面授課堂及實時網上教學**



1. 習作回饋

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習作講解

試就你所任教的人文學科，**分享**三個在應用學習管理系統及/
或資訊科技工具，發展學生的自主學習能力的**策略**

輸入：

<https://forms.gle/MTeGmMhFDX7XFud2A>



查看：

<https://docs.google.com/spreadsheets/d/1VpzLZAAsRw9iMKgbLqPsHn9trNofJTmpCAoMjG61SeQ/edit?usp=sharing>



(上節課堂)

不同**資訊科技工具 (IT TOOLS)** 的基本學教功能、共通元素、使用限制及最新發展功能



資訊科技工具 (IT TOOLS) 的基本學教功能

1. 基本操作 Basic operations
2. 開設賬戶 Create an account (teacher, student)
3. 加入任務 Create e-learning tasks/games/e-assessments
4. 匯入資源 Use existing e-resources
5. 分享内容 Share with students
6. 追蹤進度 Track students' responses
7. 匯出報表 Download reports
8. 其他設定 Other settings

資訊科技工具 (IT TOOLS) 的基本學教功能



Quizlet

Kahoot!

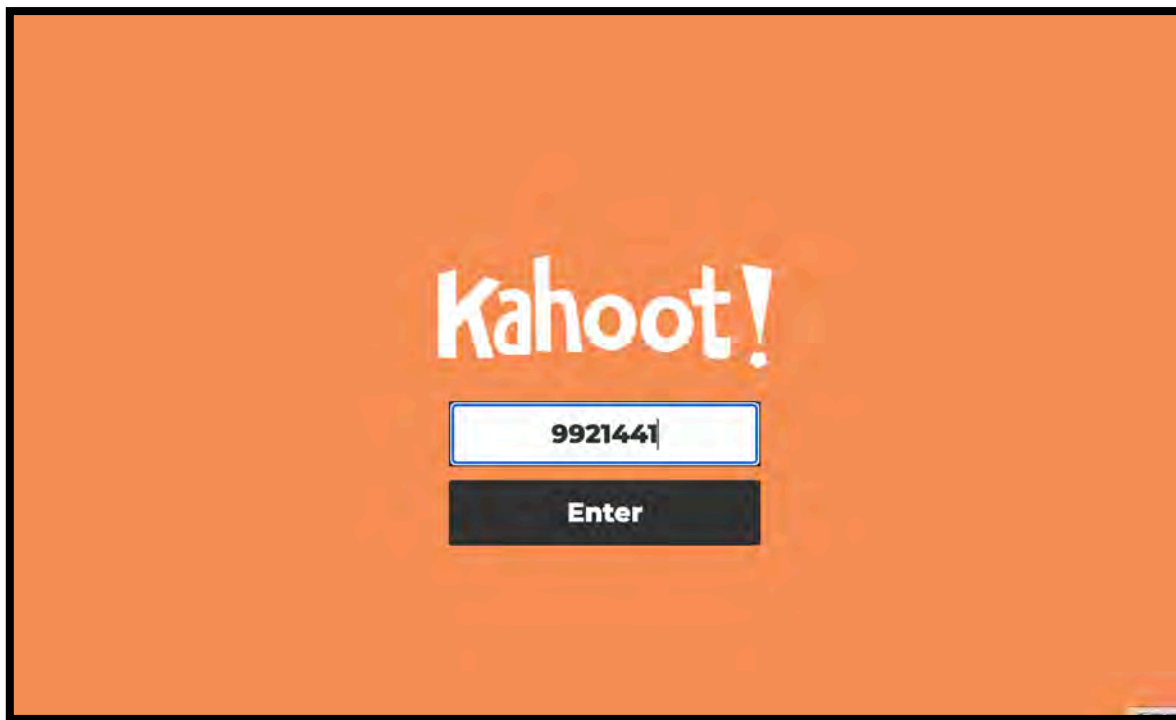


edpuzzle

Quizizz

資訊科技工具 (IT TOOLS) 的基本學教功能

參與：www.kahoot.it 輸入 Game PIN: 9921441



資訊科技工具 (IT TOOLS) 的基本學教功能

KAHOOT! 示例:

<https://play.kahoot.it/#/k/f22b6d94-84bb-4fc1-ae30-95b0b9102e1d>



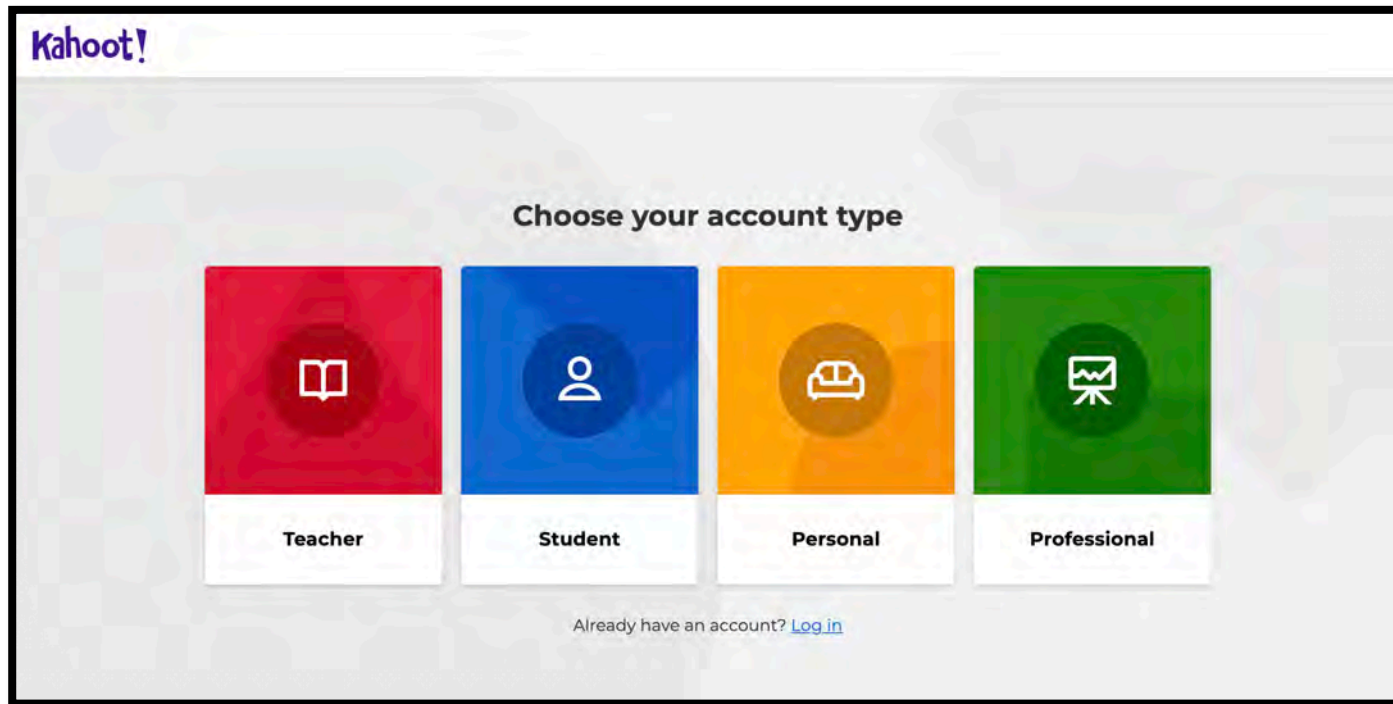
資訊科技工具 (IT TOOLS) 的基本學教功能

KAHOOT!: <https://kahoot.com/schools/distance-learning/>

The screenshot shows the Kahoot! website interface. At the top, a yellow banner reads: "Are you a teacher, business or parent affected by COVID-19? See how Kahoot! can support you. Learn more". Below this is the navigation bar with the Kahoot! logo, "News" (with a red notification bubble containing the number 3), "School", "Work", "Home", "Academy" (with a red "New" badge), "Contact sales", "Explore content", "Play", "Sign up", and "Log in". A secondary navigation bar lists: "How it works", "Schools & districts", "Ways to play", "Distance learning" (which is underlined), "Assessment", "Interactive lessons", "Higher education", "Learning apps", and "Available pla". The main content area has a green background. On the left, it says "Kahoot! for schools" and "Distance learning" in large white text. Below this, it reads: "We believe that there should be no limits to when and where you can learn. Engage students in learning when your school is out and stay on track with curriculum while instructing online." A "Sign up for free" button is located below the text. On the right, there is a collage of four images showing students in various settings, some holding Malaysian flags, engaged in online learning activities.

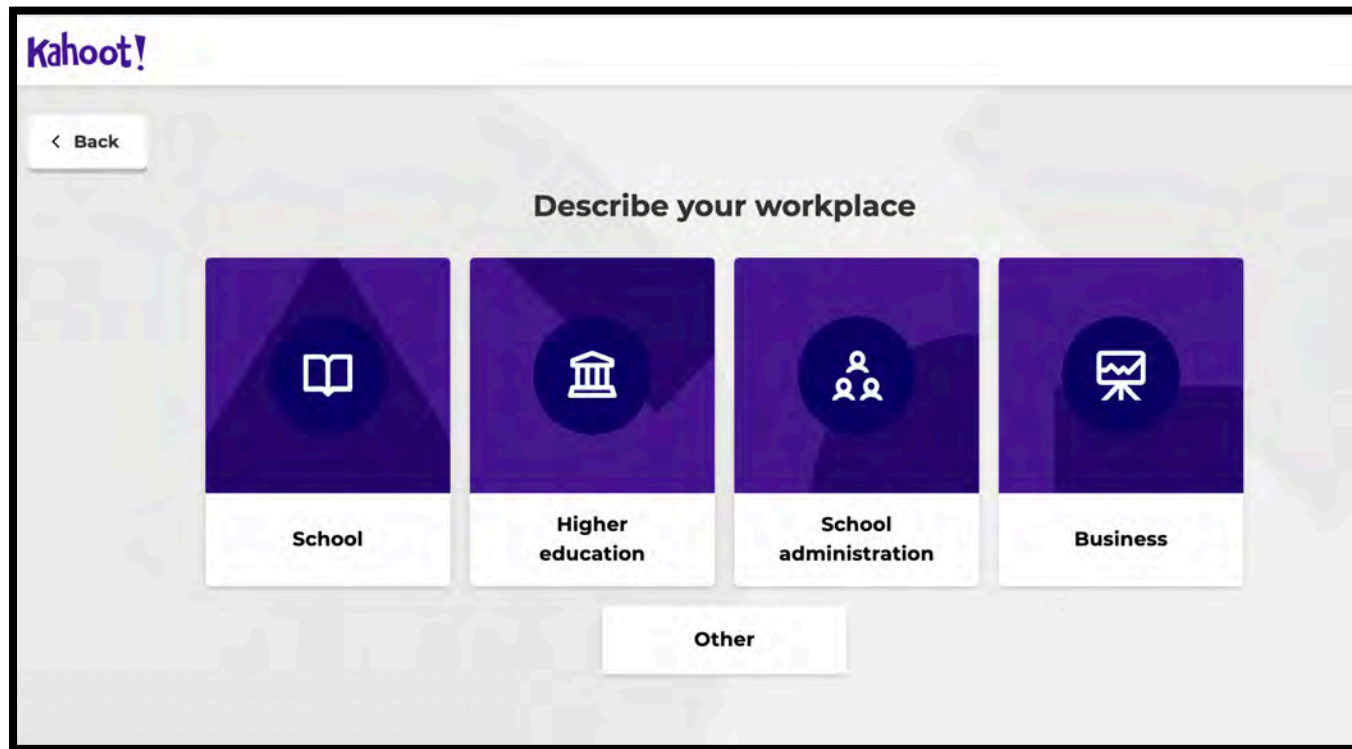
資訊科技工具 (IT TOOLS) 的基本學教功能

KAHOOT!: <https://kahoot.com/schools/distance-learning/>



資訊科技工具 (IT TOOLS) 的基本學教功能

KAHOOT!: <https://kahoot.com/schools/distance-learning/>



資訊科技工具 (IT TOOLS) 的基本學教功能

KAHOOT!: <https://kahoot.com/schools/distance-learning/>


Sign up with your email


Email


Password

I wish to receive information, offers, recommendations, and updates from Kahoot!

or




 Continue with Google

 Continue with Microsoft

 Continue with Apple

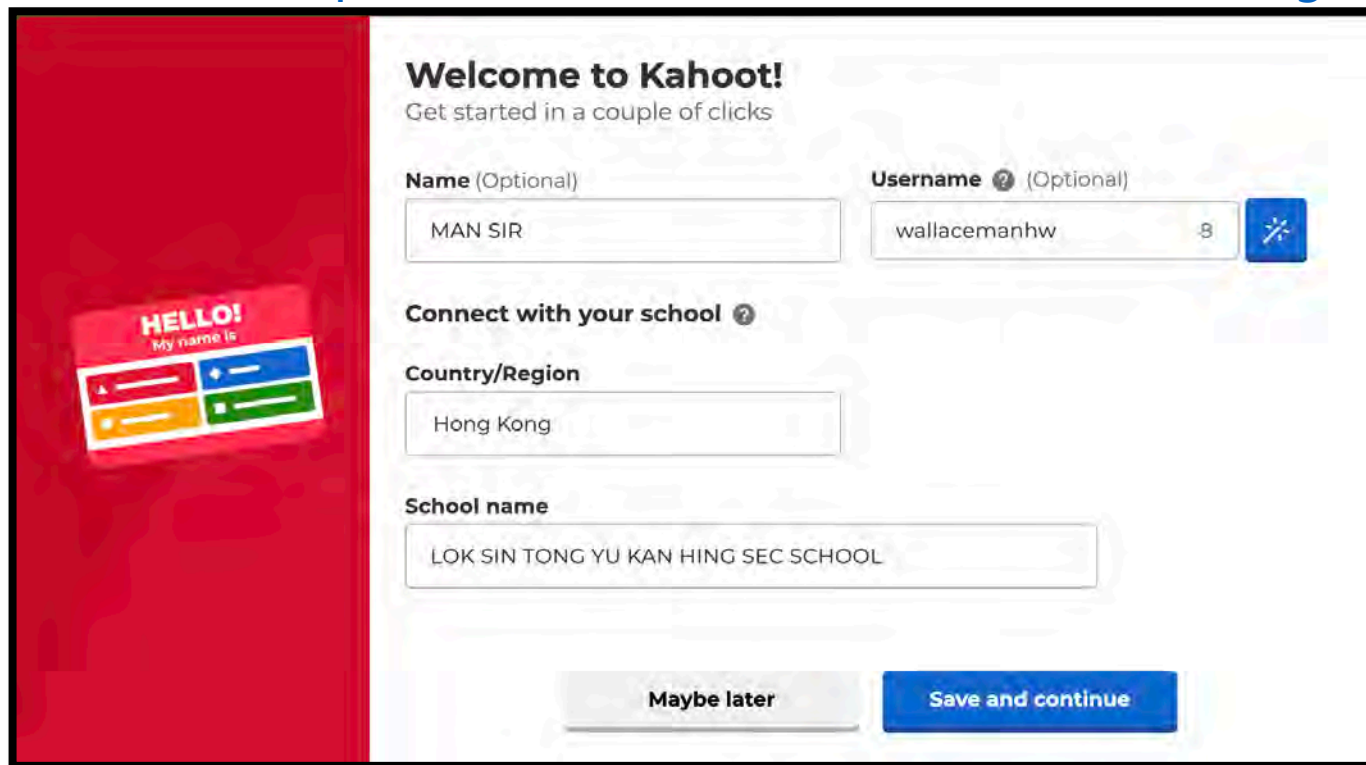
Level up Kahoot!ing in any learning environment

Whether you're teaching in class or virtually, Kahoot! will help you engage students, increase participation, and assess learning.

 Basic Use basic features to create, play, and host games outside of the classroom and in-class.	 Pro Unlock more question types and game options, and collaborate with colleagues.	 Premium Access our full suite of question types, distance learning tools, and play school-size games.
Free per teacher / month (billed annually) Continue for free	\$3 per teacher / month (billed annually) Buy now Start free trial Trial duration: 7 days. Cancel at any time.	\$6 per teacher / month (billed annually) Buy now Start free trial Trial duration: 7 days. Cancel at any time.

資訊科技工具 (IT TOOLS) 的基本學教功能

KAHOOT!: <https://kahoot.com/schools/distance-learning/>



Welcome to Kahoot!
Get started in a couple of clicks

Name (Optional)
MAN SIR

Username (Optional)
wallacemanhw 8

Connect with your school

Country/Region
Hong Kong

School name
LOK SIN TONG YU KAN HING SEC SCHOOL

Maybe later **Save and continue**



資訊科技工具 (IT TOOLS) 的基本學教功能

The screenshot shows the Kahoot! user interface for a user named 'MAN SIR'. The top navigation bar includes the Kahoot! logo, an 'Upgrade now' link, and 'Share' and 'Create' buttons. The main content area is divided into several sections:

- User Profile:** Displays the name 'MAN SIR', the email 'wallacemanhw', a 'Plan' section with an 'Upgrade' link, the school 'LOK SIN TONG YU KAN HING SEC SCHOOL', and 'My interests' with an 'Add interests' link.
- Welcome Banner:** A green banner with the text 'Welcome, MAN SIR! Let's get started:' and three numbered steps: 1. Play demo game, 2. Create a Kahoot, and 3. Host kahoot.
- My Kahoots / Team space:** A section with a 'Create kahoot' button and the text 'Create your first kahoot using one of our templates.'
- Challenges in progress:** A section with a description: 'Students play independently during a set time frame with questions and answers displayed on their devices.' and a 'Learn more' button.
- Collections:** A section with the text 'Welcome to Collections! Here you can create collections and add several kahoots to them. Get started by creating your first collection and assign to your learners.' and a 'Create collection' button.
- Latest reports:** A section with the text 'Host your first kahoot to see'.
- Promotional Banner:** A purple banner with the text 'Make virtual classrooms awesome by adding Bitmoji to Kahoot!' and a 'Learn more' button, featuring an illustration of a teacher and a globe.

資訊科技工具 (IT TOOLS) 的基本學教功能

The screenshot displays a user interface for an educational tool, organized into three main sections:

- Test knowledge**
 - Quiz**: Give players several answer alternatives to choose from.
 - True or false**: Let players decide if the statement is true or false.
 - Type answer**: Ask players to type a short correct answer.
 - Puzzle**: Ask players to place answers in the correct order.
- Collect opinions**
 - Poll**: Get players to choose from up to 4 opinions.
- Present info**
 - Slide**: Give players more context or additional explanation.

資訊科技工具 (IT TOOLS) 的基本學教功能

Quizizz: <https://quizizz.com/>

QUIZIZZ

For Work For Teachers Schools & Districts Enter code [Sign up >](#)

The 100% engagement platform

Find and create free gamified quizzes and interactive lessons to engage any learner.

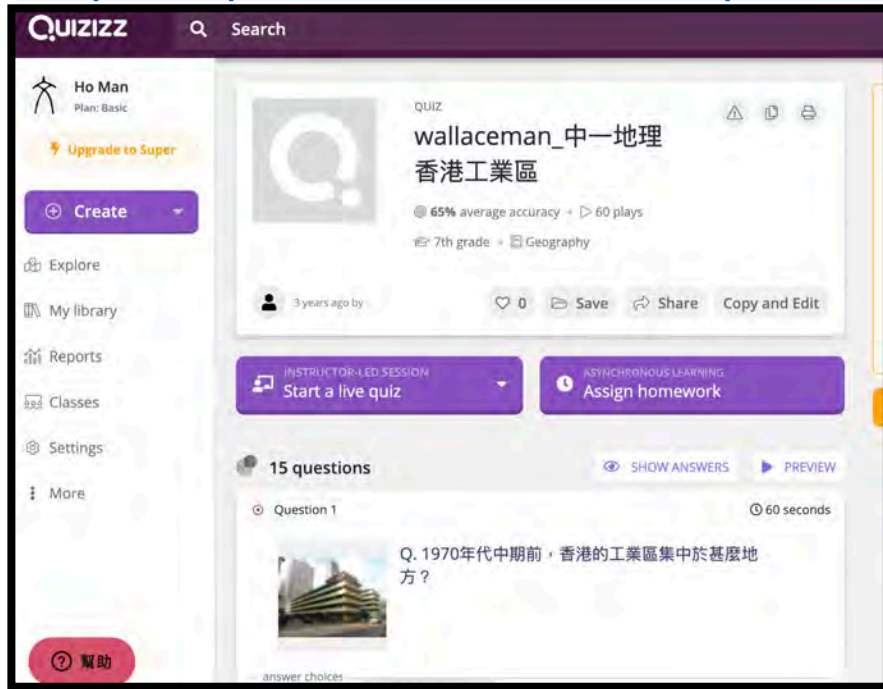
[Get started >](#) [Log In >](#)



資訊科技工具 (IT TOOLS) 的基本學教功能

Quizizz 示例:

<https://quizizz.com/admin/quiz/5a510e4fbe27c3100070c226>



The screenshot displays the Quizizz admin dashboard. On the left is a navigation menu with options like 'Create', 'Explore', 'My library', 'Reports', 'Classes', 'Settings', and 'More'. The main area shows a quiz titled 'wallaceman_中一地理 香港工業區' with a 65% average accuracy and 60 plays. Below the quiz title are buttons for 'Start a live quiz' and 'Assign homework'. A question preview is visible at the bottom, asking '1970年代中期前，香港的工業區集中於甚麼地方?' with a 60-second timer.



資訊科技工具 (IT TOOLS) 的基本學教功能

Go to joinmyquiz.com and enter the code 450878



1970年代中期前，香港的工業區集中於甚麼地方？

1

大埔

2

元朗

3

舊市區

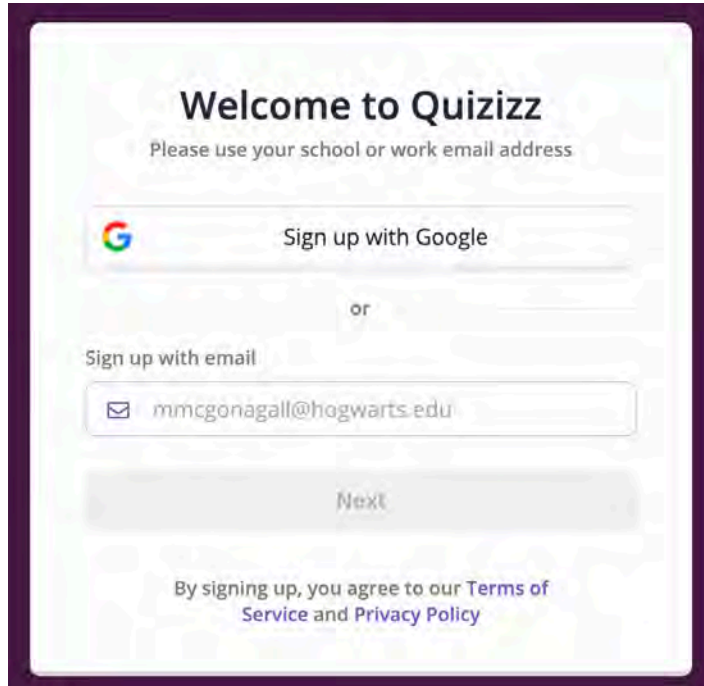
4

新界



資訊科技工具 (IT TOOLS) 的基本學教功能

Quizizz: <https://quizizz.com/>



The image shows a screenshot of the Quizizz sign-up page. The page has a white background with a purple border. At the top, it says "Welcome to Quizizz" in bold black text, followed by "Please use your school or work email address" in smaller grey text. Below this, there are two sign-up options: "Sign up with Google" with a Google logo icon, and "Sign up with email" with a text input field containing the email address "mmcgonagall@hogwarts.edu". A "Next" button is positioned below the email field. At the bottom, there is a link to "Terms of Service and Privacy Policy".

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資訊科技工具 (IT TOOLS) 的基本學教功能

Quizizz: <https://quizizz.com/>

How are you using Quizizz?



- at a school**
K-12 or University
- at a business**
Or nonprofit
- personal use**
Friends and family

I am a...



- Teacher**
or school administrator
- Student**
- a parent**

資訊科技工具 (IT TOOLS) 的基本學教功能

The screenshot displays the Quizizz web application interface. At the top, there is a dark purple header with the Quizizz logo, a search bar, and options for 'Quizizz library' and 'Enter Code'. The left sidebar contains a user profile for 'Ho Man' (Plan: Basic), an 'Upgrade to Super' button, and a 'Create' button. Below these are navigation links for 'Explore', 'My library', 'Reports', 'Classes', 'Settings', and 'More'. A red '幫助' (Help) button is located at the bottom left. The main content area features a 'BASIC' level indicator and four primary action cards: 'Create an account' (with a character saying 'Hi!'), 'Create a lesson' (with a character holding a 'LET'S CREATE!' sign), 'Present a live lesson' (with a character saying 'QUIZ ME!'), and 'Assign a quiz' (with a character's face). At the bottom, a large text prompt asks 'What will you teach today?' followed by a search bar for quizzes on any topic. The bottom right corner shows a colorful logo.

資訊科技工具 (IT TOOLS) 的基本學教功能

Nearpod : <https://nearpod.com/>

nearpod

Request a quote Sign up for FREE Log in

You'll wonder how you taught without it

Engaging media and formative assessments to make every lesson interactive.

STUDENTS
Join a lesson
Enter CODE

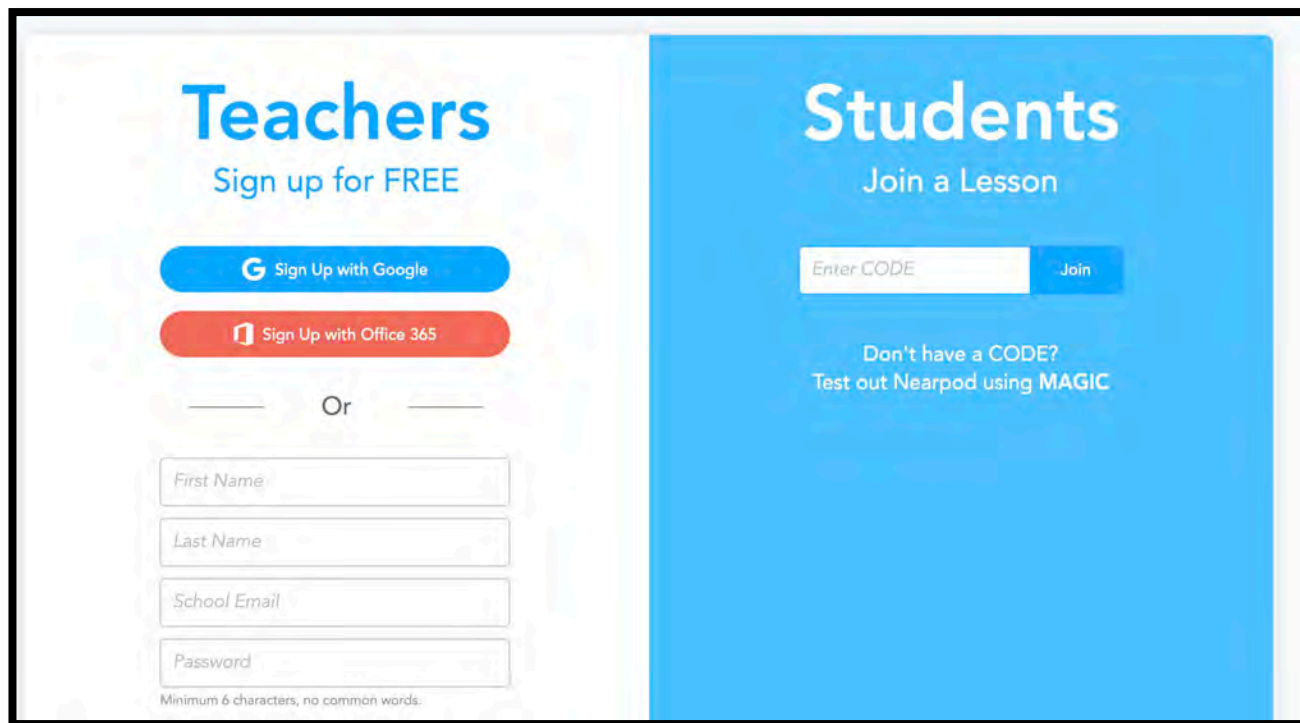
TEACHERS
Sign up for FREE
or Log in

ADMINISTRATORS
Discover more
or Request a quote



資訊科技工具 (IT TOOLS) 的基本學教功能

Nearpod : <https://nearpod.com/>



The image shows a screenshot of the Nearpod website interface, divided into two main sections: Teachers and Students.

Teachers Section (Left):

- Header: **Teachers**
- Text: Sign up for FREE
- Buttons: "Sign Up with Google" (blue) and "Sign Up with Office 365" (red).
- Text: "Or" with arrows pointing to the left and right.
- Form fields: "First Name", "Last Name", "School Email", and "Password".
- Text: "Minimum 6 characters, no common words."

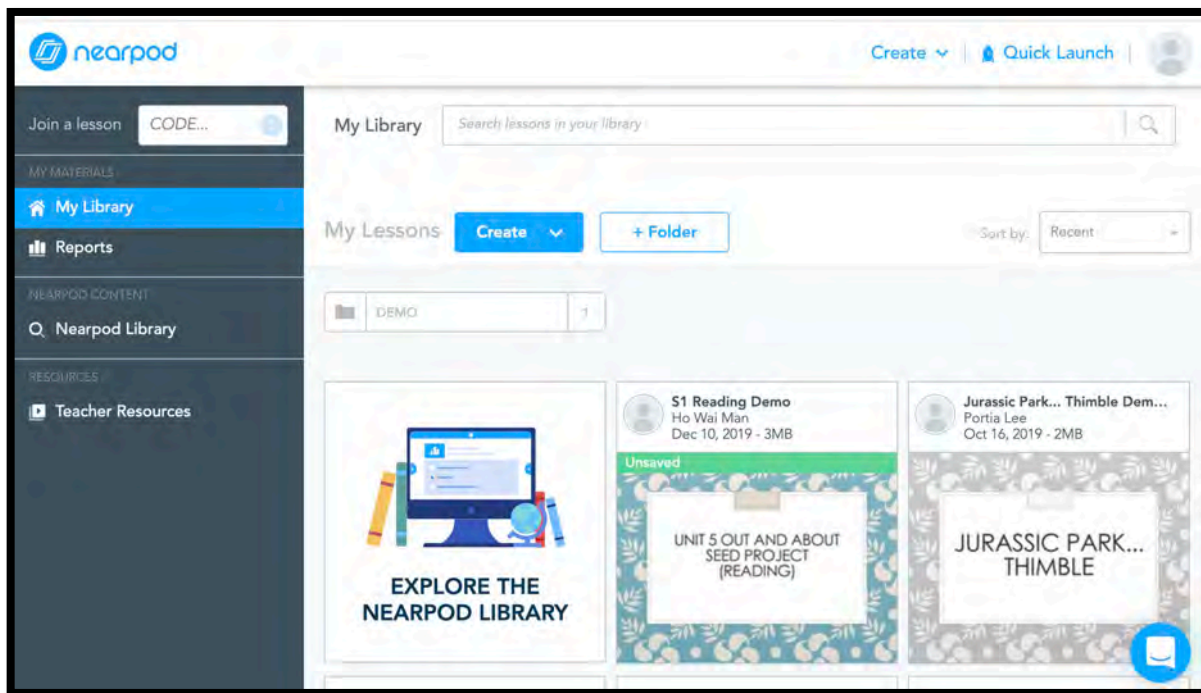
Students Section (Right):

- Header: **Students**
- Text: Join a Lesson
- Form: "Enter CODE" input field and "Join" button.
- Text: "Don't have a CODE? Test out Nearpod using MAGIC"



資訊科技工具 (IT TOOLS) 的基本學教功能

Nearpod : <https://nearpod.com/>

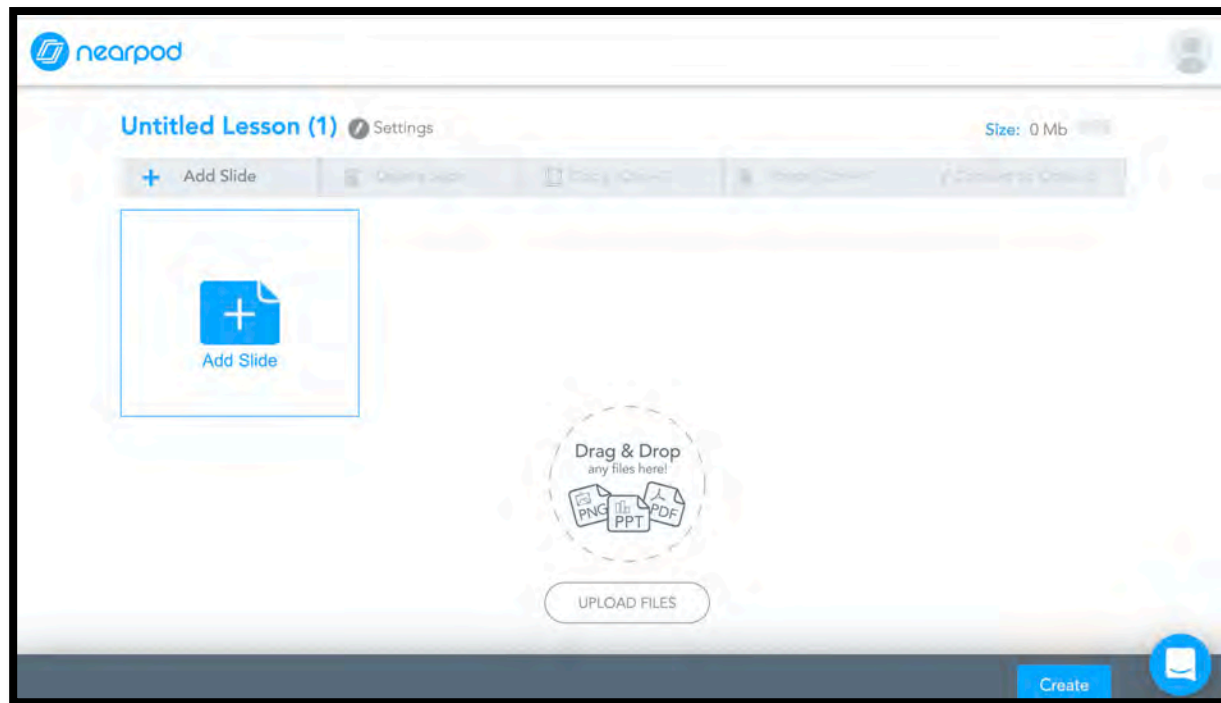


The screenshot displays the Nearpod web application interface. On the left is a dark sidebar with navigation options: 'Join a lesson' with a 'CODE...' input field, 'MY MATERIALS' (including 'My Library' and 'Reports'), 'NEARPOD CONTENT' (including 'Nearpod Library'), and 'RESOURCES' (including 'Teacher Resources'). The main content area is titled 'My Library' and features a search bar. Below this is the 'My Lessons' section, which includes a 'Create' button, a '+ Folder' button, and a 'Sort by: Recent' dropdown. A folder named 'DEMO' is visible with a count of 1. Three lesson cards are shown: 'EXPLORE THE NEARPOD LIBRARY' with a computer and books icon; 'S1 Reading Demo' by Ho Wai Man (Dec 10, 2019 - 3MB) with a green 'Unsaved' banner and a reading project title; and 'Jurassic Park... Thimble Dem...' by Portia Lee (Oct 16, 2019 - 2MB) with a thimble icon and title. A blue chat bubble icon is in the bottom right corner of the interface.



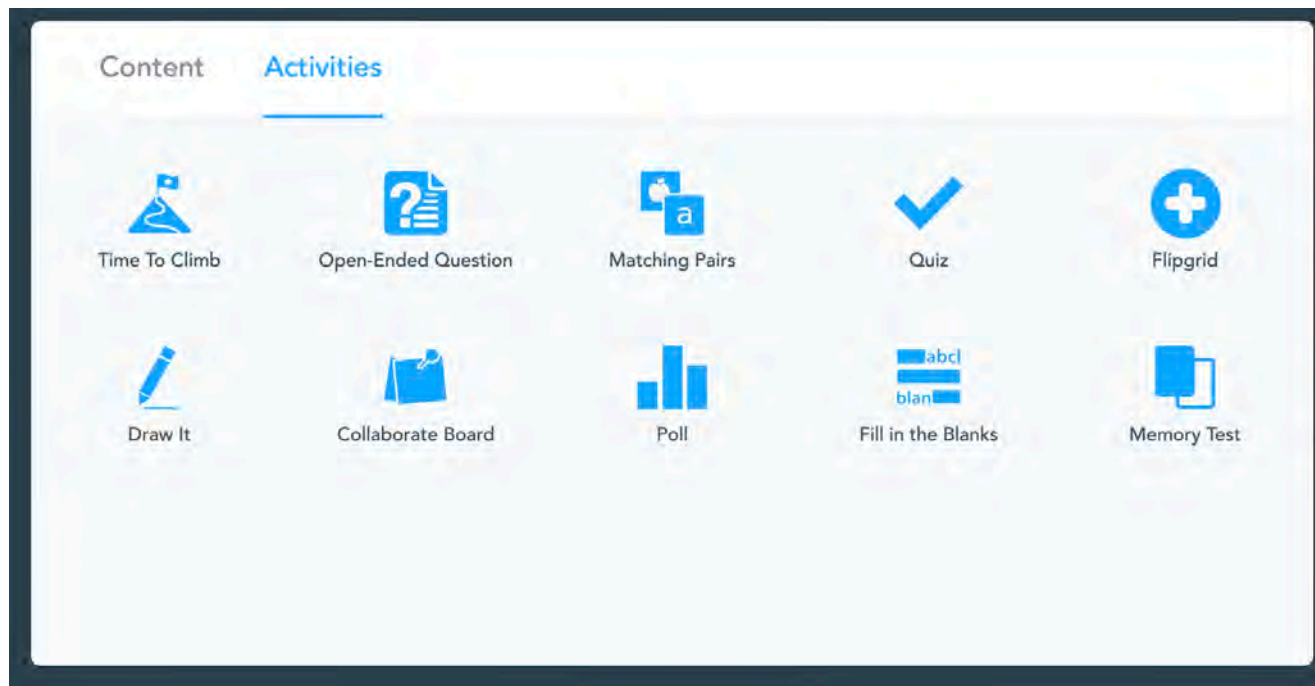
資訊科技工具 (IT TOOLS) 的基本學教功能

Nearpod : <https://nearpod.com/>



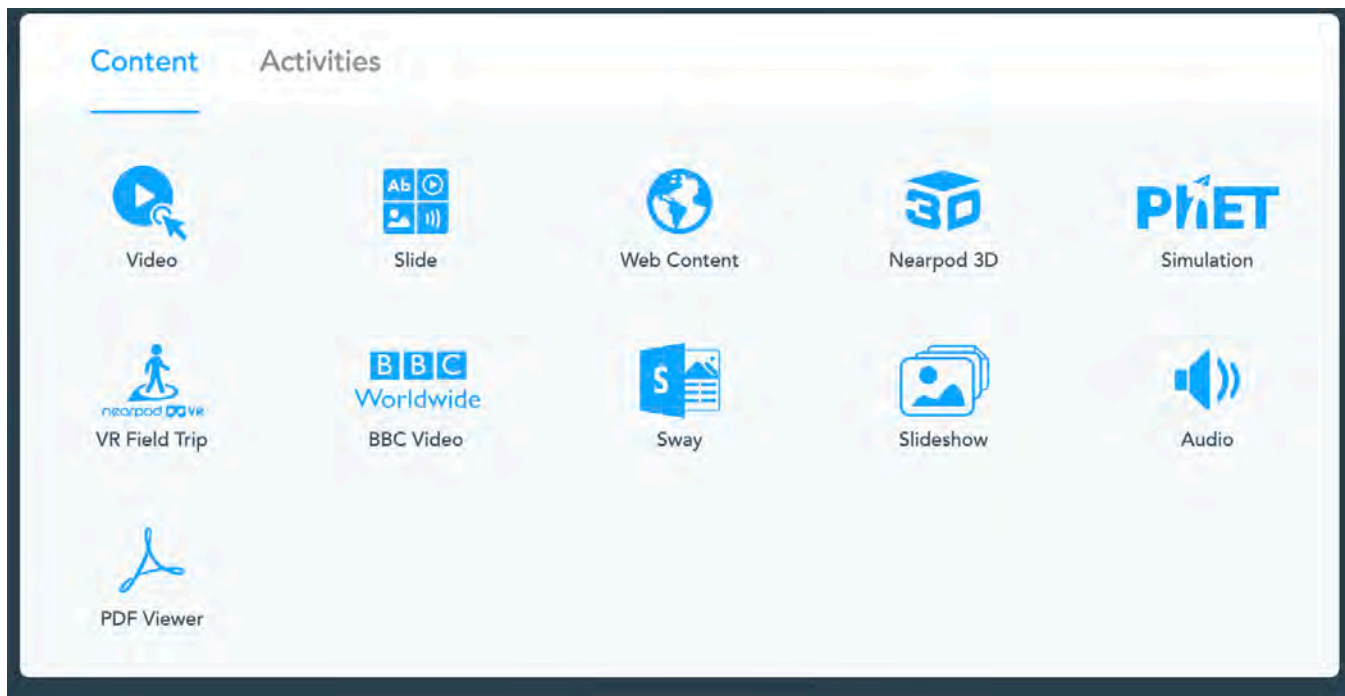
資訊科技工具 (IT TOOLS) 的基本學教功能

Nearpod : <https://nearpod.com/>



資訊科技工具 (IT TOOLS) 的基本學教功能

Nearpod : <https://nearpod.com/>



資訊科技工具 (IT TOOLS) 的基本學教功能

Playposit : <https://www.playposit.com/>

playposit

Platform K-12 Higher Ed Corporate Community Features Log In Sign Up

Interactive Video.
Unleashed Learning.

View Pricing Plans

in t f e y



資訊科技工具 (IT TOOLS) 的基本學教功能

Playposit 示例：

<https://app.playpos.it/go/share/1170615/296434/0/0/Copy-of-Plate-Tectonics>

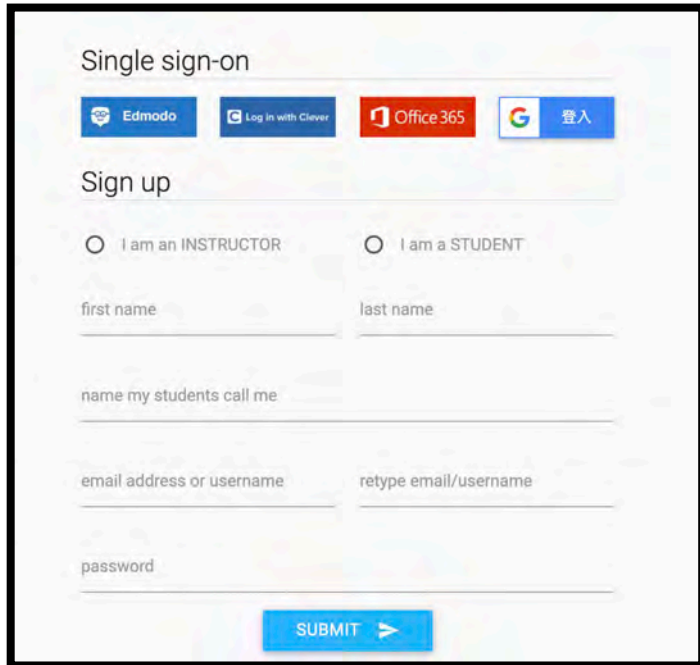


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資訊科技工具 (IT TOOLS) 的基本學教功能

Playposit : <https://www.playposit.com/>



Single sign-on

Edmodo Log in with Clever Office 365 登入

Sign up

I am an INSTRUCTOR I am a STUDENT

first name last name

name my students call me

email address or username retype email/username

password

SUBMIT >



Ho Wai Man

- My Bulbs
- Folders
- Classes
- Premade Bulbs

Upgrade to Pro

FILTER Search

Tags

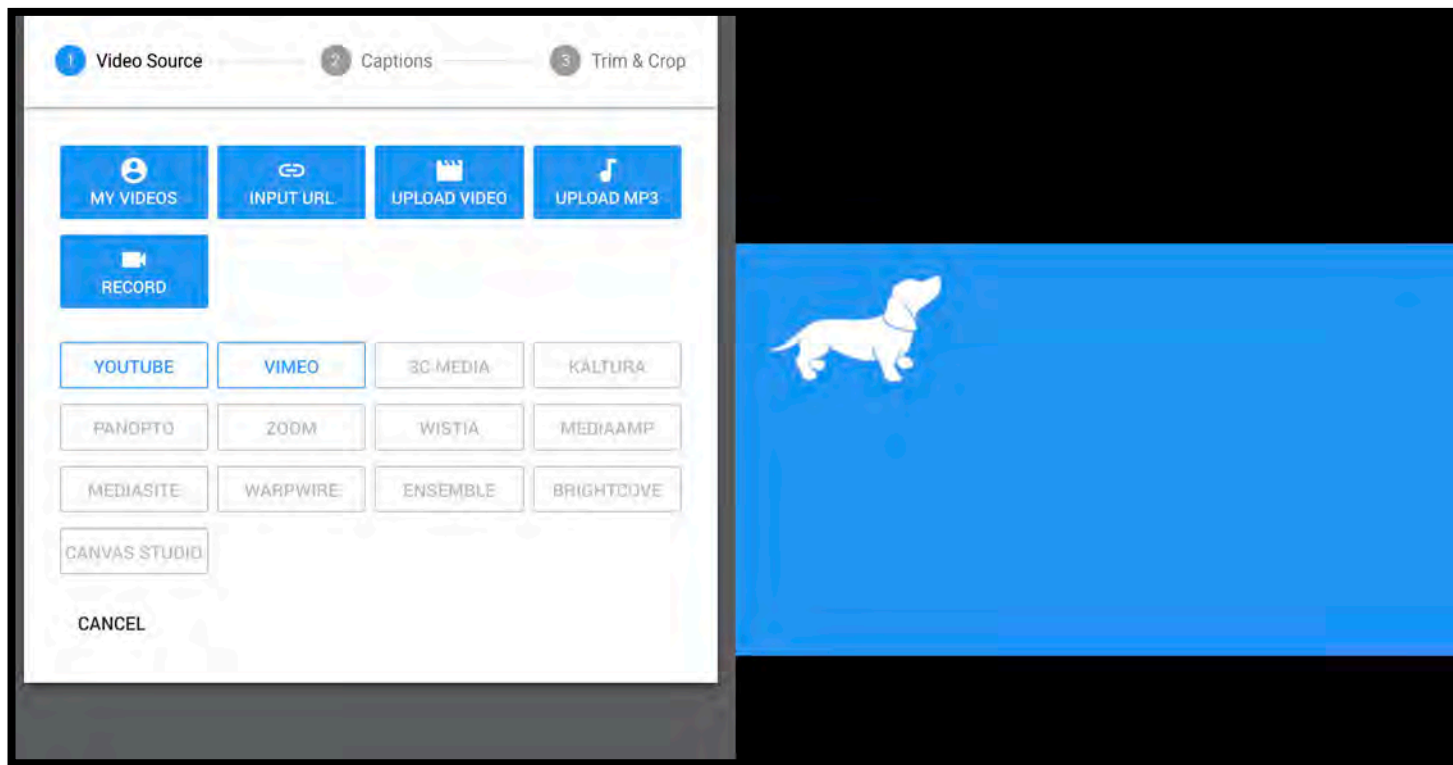
Last Modified Views Actions

Create your first bulb

0/page

資訊科技工具 (IT TOOLS) 的基本學教功能

Playposit : <https://www.playposit.com/>



The screenshot displays the Playposit video player interface. At the top, there are three steps: 1. Video Source (active), 2. Captions, and 3. Trim & Crop. The 'Video Source' menu is open, showing various options for where to get video content. The options are arranged in a grid:

- MY VIDEOS (with a camera icon)
- INPUT URL (with a link icon)
- UPLOAD VIDEO (with a video camera icon)
- UPLOAD MP3 (with a music note icon)
- RECORD (with a video camera icon)
- YOUTUBE
- VIMEO
- 3C-MEDIA
- KÁLTURA
- PANOPTO
- ZOOM
- WISTIA
- MEDIAAMP
- MEDIASITE
- WARPWIRE
- ENSEMBLE
- BRIGHTCOVE
- CANVAS STUDIO
- CANCEL

The main video player area on the right shows a blue background with a white silhouette of a dachshund dog.

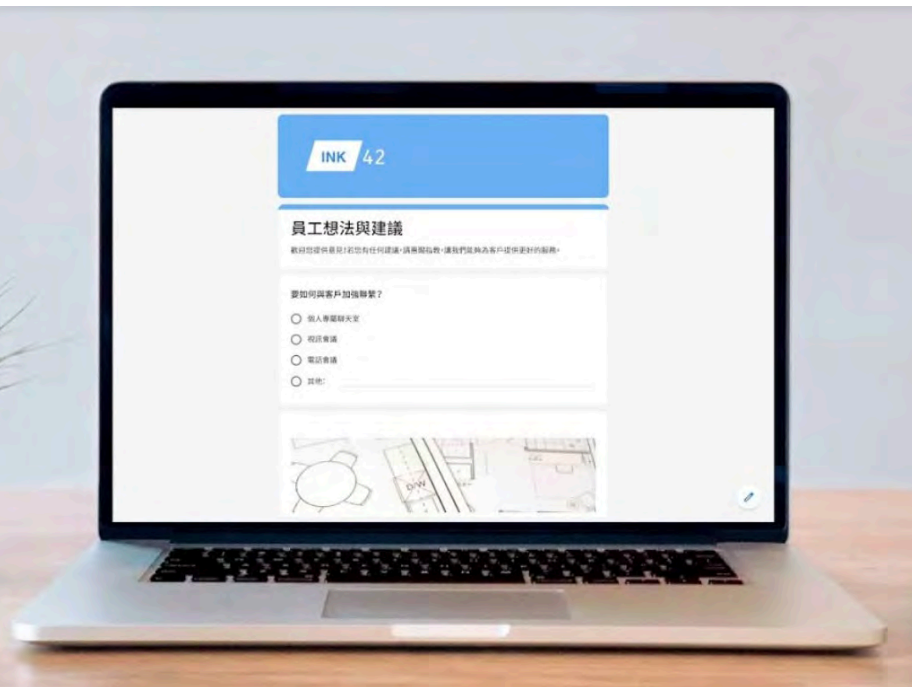
2. 掌握如何製作及進行簡單電子評估活動

a. Google Form

b. HKEDCITY – STAR



2. 掌握如何製作及進行簡單電子評估活動 -- Google Form



2. 掌握如何製作及進行簡單電子評估活動 -- Google Form

如何使用 Google 表單:

<https://support.google.com/docs/answer/6281888?co=GENIE.Platform%3DDesktop&hl=zh-Hant>

步驟 1: 建立新表單或測驗

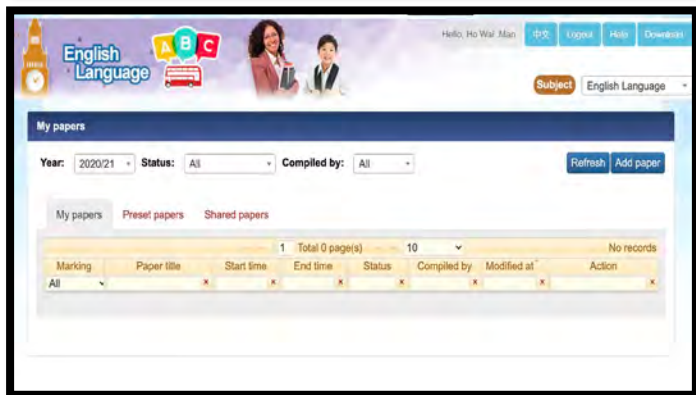
步驟 2: 編輯表單或測驗並設定格式

步驟 3: 將表單傳送給使用者填寫



2. 掌握如何製作及進行簡單電子評估活動 -- HKEDCITY STAR

<https://star.hkedcity.net/>



for



3. 掌握如何製作及進行簡單電子評估活動 -- HKEDCITY OQB

<https://www.edcity.hk/questionbank/zh-hant>

The screenshot shows the homepage of the Online Question Bank (OQB) website. At the top, there is a navigation bar with links for '認識教城', '教師', '中學生', '小學生', '家長', and '企業'. A search bar and social media icons are also present. The main header features the OQB logo and the text '網上試題學習平台 Online Question Bank'. Below this is a blue navigation menu with options: '主頁', '關於服務', '訂購及使用', '資源分享', and '獎勵計劃'. The main content area is titled '主頁' and includes a '登入平台' button. Two promotional boxes are visible: one for '優惠訂購2021/22 網上試題學習平台' and another for '網上試題學習平台獎勵計劃 2020/21'.

認識教城 教師 中學生 小學生 家長 企業

搜尋

English

網上試題學習平台
Online Question Bank

主頁 關於服務 訂購及使用 資源分享 獎勵計劃

1517 A A A

登入平台

網上試題學習平台
Online Question Bank

優惠訂購2021/22
「網上試題學習平台」

「全校訂購全科」模式現已推出，學校只需繳付相宜費用，即可讓全校師生使用全科試題庫。學校可訂購一年服務，或以折扣優惠訂購跨年服務。

網上試題學習平台獎勵計劃 2020/21

Technologies (CLST)
of Hong Kong



2. 掌握如何製作及進行簡單電子評估活動 -- HKEDCITY STAR

STAR 平台登入

<https://star.hkedcity.net/zh-hant/>

STAR 平台示範

https://star.hkedcity.net/sites/star.hkedcity.net/files/files/upload/Demonstration_of_STAR_platform_0.pdf

STAR 用戶指南

<https://star.hkedcity.net/zh-hant/user-guide>

STAR 專業發展課程

<https://www.hkedcity.net/goelearning/series/pdp>

3. 掌握如何製作及進行簡單實時協作學習

- a. Padlet
- b. Explain Everything
- c. Coggle



3. 掌握如何製作及進行簡單實時協作學習 -- Padlet

padlet

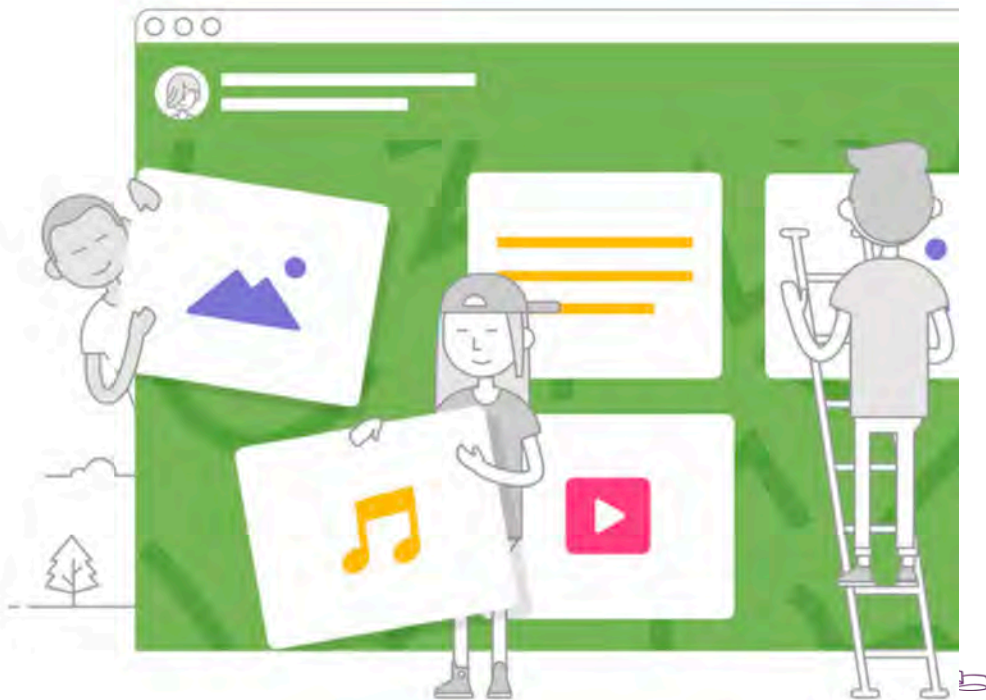
工作 为什么选择 Padlet 供学校使用 供企业使用 帮助 登录

更好地进行合作。
效率更高。

制作易于阅读且有趣的
仪表盘、文档和网页。

注册

已经在使用 Padlet? [登录](#).



3. 掌握如何製作及進行簡單實時協作學習 – Padlet 賬戶註冊

<p>Basic</p> <p>Free forever</p> <p>选择</p> <p>3 padlets only</p> <p>10MB files only</p> <p>Standard support</p>	<p>Pro</p> <p>From HK\$ 48 a month</p> <p>选择</p> <p>Unlimited padlets</p> <p>250MB files</p> <p>Priority support</p> <p>Folders</p>
--	--



3. 掌握如何製作及進行簡單實時協作學習 – Padlet 選擇範本

开始的第一步是选择一个空的 ...



墙

预览

以砖块布局排列内容。

选择



画布

预览

随意分散、组合以及关联你的内容。

选择



列表

预览

用简单易读的上下排列方式排列你的内容。

选择



故事板

预览

将内容排列在几行框中。

选择



栏目

预览

在垂直列中堆叠内容。

选择



对话

预览

在类似聊天的环境中进行交流。

选择

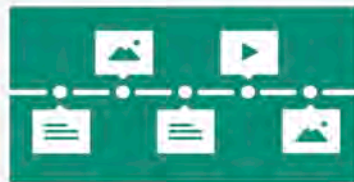


地图

预览

向地图上的各个点添加内容。

选择



时间线

预览

沿水平线放置内容

选择



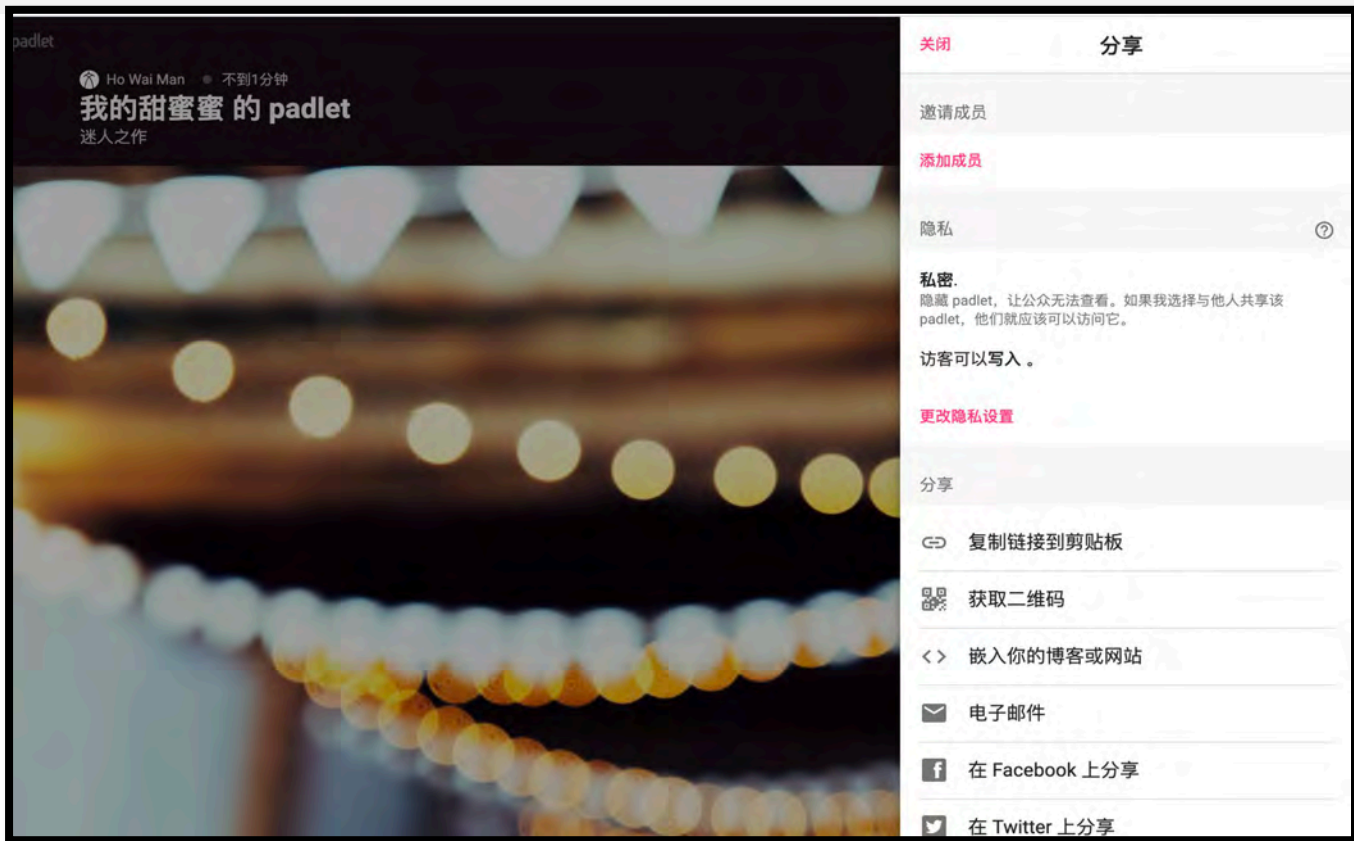
3. 掌握如何製作及進行簡單實時協作學習 – Padlet 製作內容

The screenshot shows a Padlet interface with a post titled "我的甜蜜蜜的 padlet" by "Ho Wai Man" (不到1分钟). The background is a bokeh of warm lights. A menu is open over the post, listing various actions:

- 标题
- 写点什么.....
- 上传 (从你的计算机上选择文件。)
- 链接 (输入任何网址。)
- Google (搜索图片、视频、动图、音频、网络。)
- 摄影 (使用你的摄像头拍摄照片。)
- 胶片 (从摄像头捕获视频。)
- 语音 (通过麦克风录制音频。)
- 屏幕 (录制屏幕。)
- 绘画 (在屏幕上的画布上涂鸦。)
- 地方 (添加一个位置。)
- Padlet (链接到你的另一个 padlet。)



3. 掌握如何製作及進行簡單實時協作學習 – Padlet 分享教件



3. 掌握如何製作及進行簡單實時協作學習 – Explain Everything

Explain Everything <https://explaineverything.com/>



Make yourself clear with world's best digital whiteboard

Supporting millions of teachers, students, thinkers, and everyone who wants to express themselves better.

START WHITEBOARDING



3. 掌握如何製作及進行簡單實時協作學習 – Explain Everything

<https://explaineverything.com/>

IOS App Store:

<https://apps.apple.com/hk/app/explain-everything-whiteboard/id1020339980>

Google Play Store:

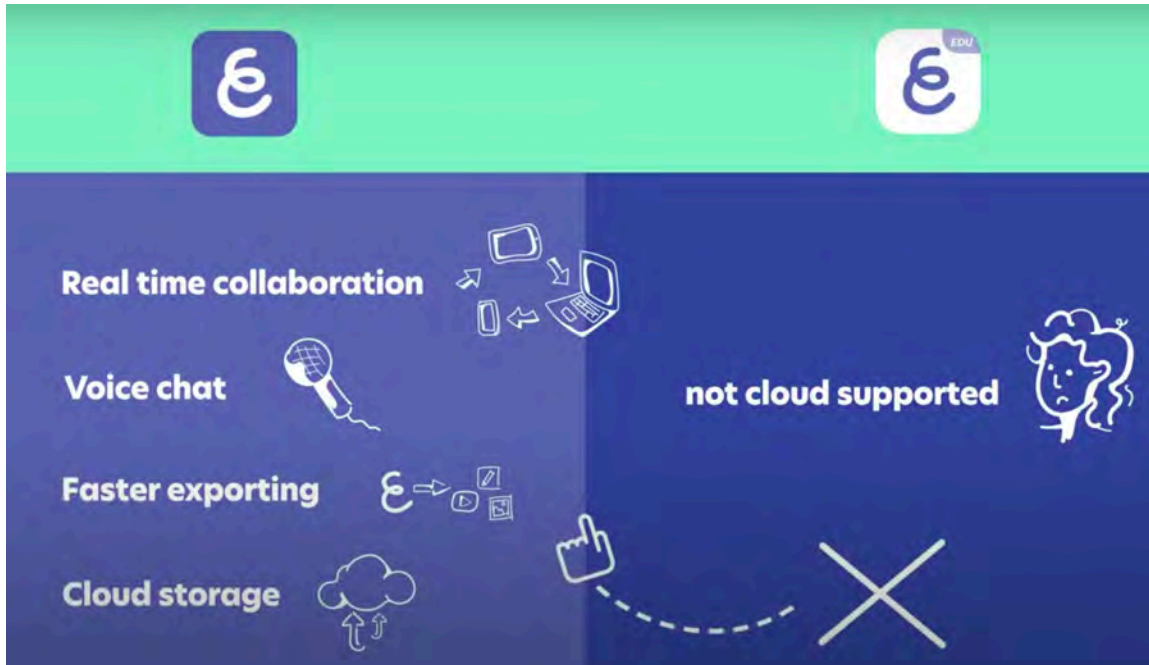
https://play.google.com/store/apps/details?id=com.explaineverything.explaineverything&hl=zh_HK



3. 掌握如何製作及進行簡單實時協作學習 – Explain Everything

Explain EDU Vs. Explain Everything Whiteboard

<https://youtu.be/1JQQ49H2P0s>



3. 掌握如何製作及進行簡單實時協作學習 – Explain Everything

訂閱優惠 完成



Individual Monthly Plan (4+)
Explain Everything Whiteboard
Note, Sketch, Record, Present

1星期免費，試用結束後每1個月
HK\$ 38.00。

安裝並訂閱
App內購買

訂閱優惠 完成



Individual Annual Plan (4+)
Explain Everything Whiteboard
Note, Sketch, Record, Present

1個月免費，試用結束後每1年
HK\$ 368.00。

安裝並訂閱
App內購買

3. 掌握如何製作及進行簡單實時協作學習 – Explain Everything

- 開設戶口
- 建立教件
- 相關工具
- 邀請協作
- 加入課堂
- 教程錄影
- 匯出格式
- 分享教件
- 瀏覽下載
- 平台結合
- 其他設定



3. 掌握如何製作及進行簡單實時協作學習 – Coggle

<https://coggle.it/>

主頁 登錄 會員 功能 Coggle 畫廊

coggle

以清楚的方式分享複雜的訊息。



3. 掌握如何製作及進行簡單**實時協作學習** – Coggle 免費功能



實時協作

通常我們以團隊工作最出色，當團隊自由協作時最有效，Coggle 讓你邀請你的朋友和同事在你的圖表裡同一時間與你攜手工作。



保存每一個修改

你已經修改了文件，一天后回來決定你不喜歡所做的編輯？有了 Coggle，這不是一個問題。只需進入歷史模式，找到合適的版本，並從該點做個副本！



無限圖片上傳

一張圖片勝過千言萬語。Coggle 讓你直接從桌面上拖放圖像到你的圖表。就那麼簡單！最好的莫過於，你可以添加圖片的數量沒有限制。



浮動標籤和圖像

在不屬於心智圖分枝的部分添加標籤和圖像。



組成環圈和連接分支

創造更強大和靈活的圖表來表示流程和其他複雜概念。



多個中央點

將多個中央點添加到您的圖表，以在同一圖表中表達多個相關主題。



3. 掌握如何製作及進行簡單實時協作學習 – Coggle 收費功能



無限的私人Coggles

好棒得畫具

創造你想要的盡可能多的私人Coggles。如果你萬一取消訂閱，他們仍保持私有，並且你保持訪問。



Powerful Flowcharting

好棒得畫具

Pick from a range of shapes to create expressive, powerful flowcharts, process maps, and other diagrams.



匿名協作

好棒得畫具

分享秘密鏈接以允許團隊不需要登錄便可以編輯圖表。

3. 掌握如何製作及進行簡單實時協作學習 – Coggle 賬戶註冊

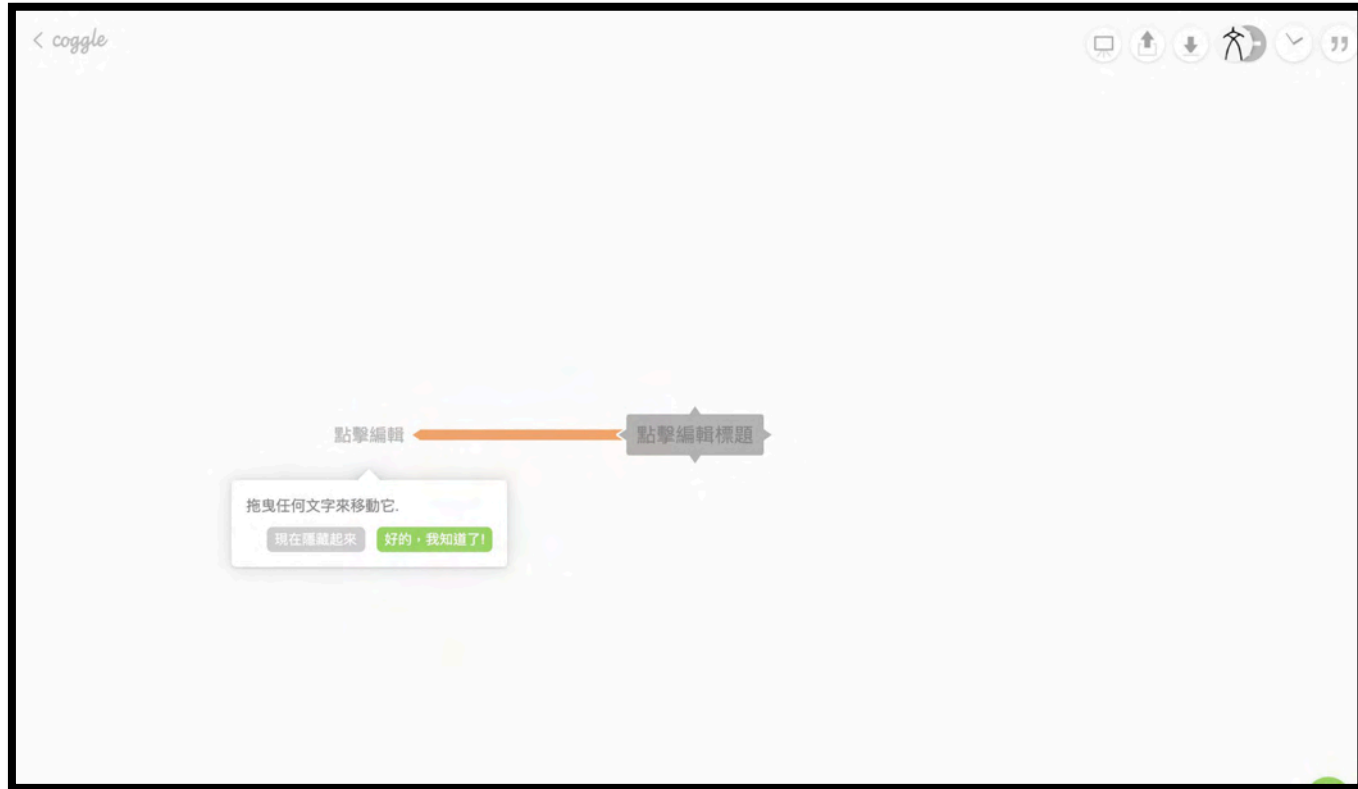
免費會員	好棒棒會員	組織會員
體驗Coggle和一切使用的理想選擇	個人或專業使用的理想選擇，有較大隱私和先進的功能	團隊使用的理想選擇，管理員能控制團隊權限，並合併收費。
\$0 forever	\$5 per month	\$8 per member per month
註冊	了解更多	了解更多
<ul style="list-style-type: none">3個私人圖表無限公共圖表超過1600漂亮圖表無限的圖片上傳自動排列分支完整的更改歷史記錄PDF和圖像 下載漂浮的文本框匯出 .mm 和文字Export for Microsoft Visio匯入 .mm 和文字多個中央點共享文件夾Embed mindmaps anywhere	<ul style="list-style-type: none">免費會員的所有功能+無限私人圖表More Item Shapes更改線條樣式Control line pathsChange text alignment全部聊天歷史高分辨率圖像上傳通過鏈接進行協作	<ul style="list-style-type: none">好棒棒會員的所有功能+SAML單點登錄每人獨立工作區合併收費批量匯出用戶和數據管理品牌圖表



3. 掌握如何製作及進行簡單實時協作學習 – Coggle

The screenshot displays the Coggle web application interface. On the left is a green sidebar with the user profile 'manhw@ykh.hk Ho Wai Man' and 'private diagrams used'. The sidebar contains navigation options: '由你創建', '與你分享', '畫廊', '共享文件夾', and '創建文件夾'. The main area features a '+ 創建圖表' button, an 'Upgrade Now' button, and a search bar '搜索你的圖表.'. A diagram titled 'TESTING' is shown, created '3年之前', with a central node labeled 'TESTING' connected to a blue line and a green line.

3. 掌握如何製作及進行簡單實時協作學習 – Coggle 製作教件



3. 掌握如何製作及進行簡單**實時協作學習** – Coggle 共同協作

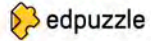


4. 掌握如何提升及加強學教效能 (30 分鐘)
 - a. Edpuzzle
 - b. FlipGrid
 - c. Pear Deck (with Google Slide)



4. 掌握如何提升及加強學教效能 -- Edpuzzle

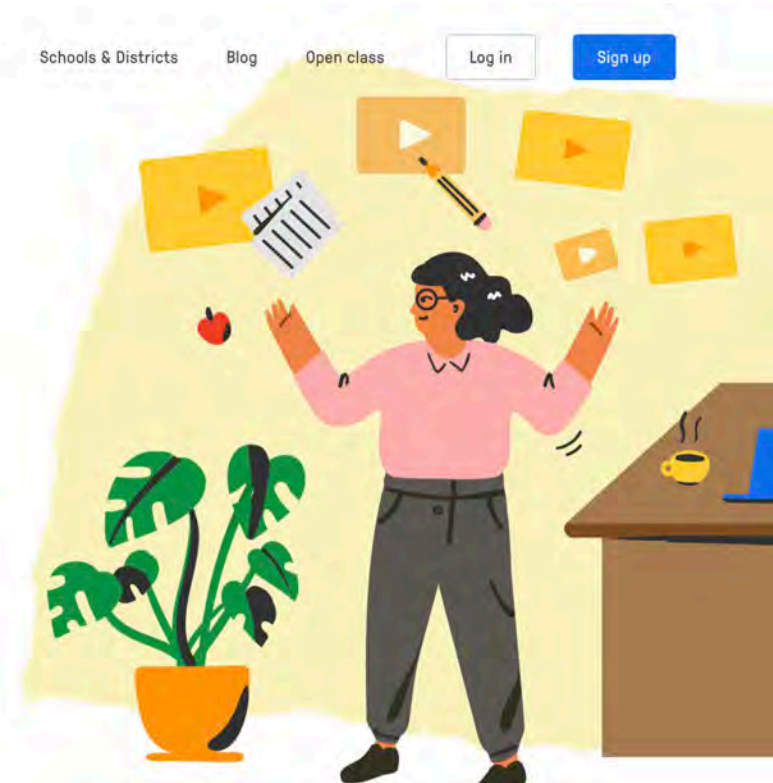
<https://edpuzzle.com/>



Make any video your lesson

Choose a video, give it your magic touch and track your students' comprehension.

Get started




4. 掌握如何提升及加強學教效能 -- Edpuzzle 戶口登記

Start using Edpuzzle, stop boring classes
in their tracks.

I'm a Teacher

I'm a Student

Hi, teacher! Level up your lessons with
Edpuzzle.

 Sign in with Google

Sign up with Edpuzzle

4. 掌握如何提升及加強學教效能 -- Edpuzzle 戶口登記

The screenshot displays the Edpuzzle web application interface. At the top left is the Edpuzzle logo and a search bar. The top right contains navigation links for 'Content', 'Gradebook', and 'My Classes', along with help and user icons. A sidebar on the left lists navigation options: 'Content', 'Home', 'Curriculum', 'Lok Sin Tong Yu Kan Hing S...', 'My Content' (highlighted in blue), 'Popular channels', 'Edpuzzle', 'YouTube', 'Khan Academy', and 'National Geographic'. The main area is titled 'My Content' and includes a search bar, a 'Sort by date' dropdown menu, and a blue 'Add Content' button. Below this, a 'Videos' section shows four video thumbnails. The first two are '3 LITTLE PIGS' (07:20) from a cartoon channel, and the last two are 'Global Warming 101 | National Geographic' (03:04 and 01:42).

edpuzzle

Content Gradebook My Classes

My Content

Add Content

Sort by date

Videos

3 LITTLE PIGS

3 LITTLE PIGS

Global Warming 101 | National Geographic

Global Warming 101 | National Geographic

Edpuzzle

YouTube

Khan Academy

National Geographic

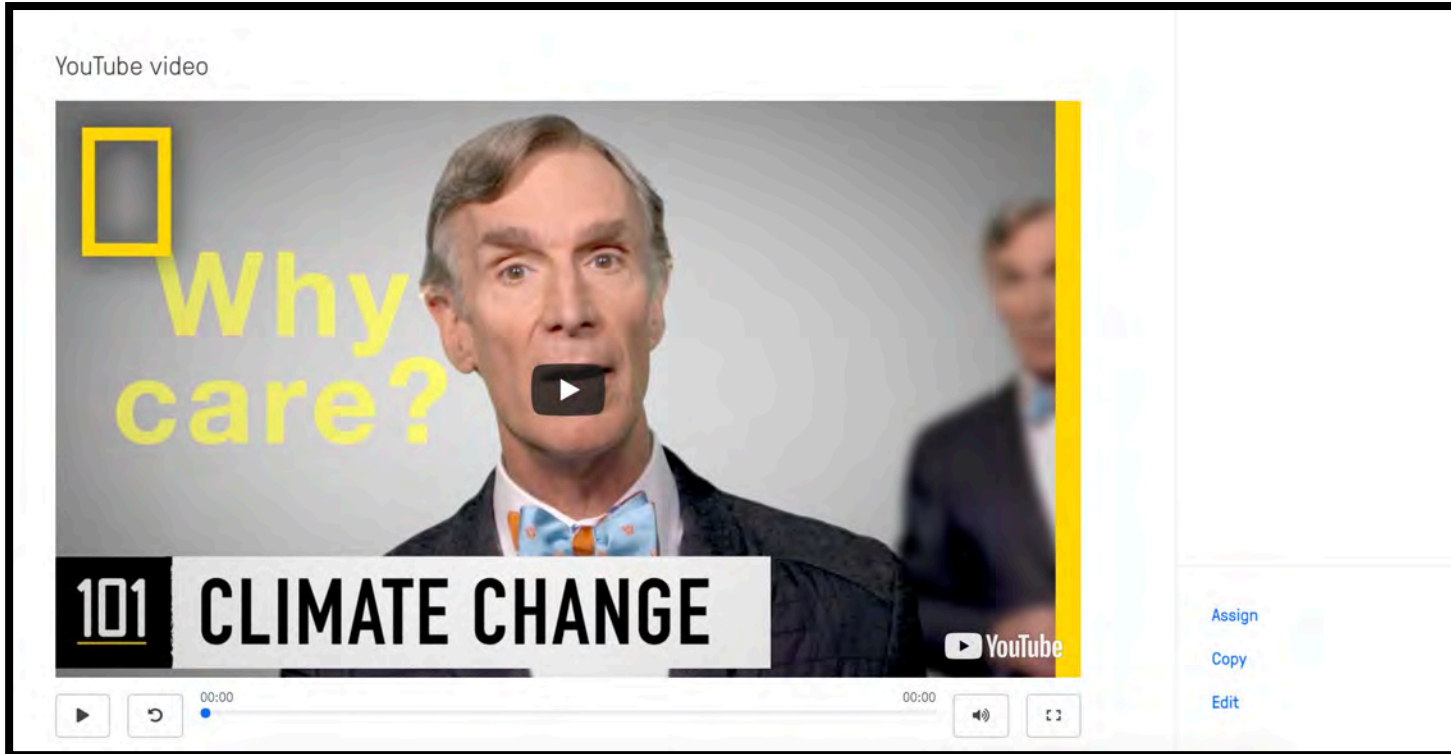


4. 掌握如何提升及加強學教效能 -- Edpuzzle 搜尋片段



4. 掌握如何提升及加強學教效能 -- Edpuzzle 編輯軟件(EDIT)

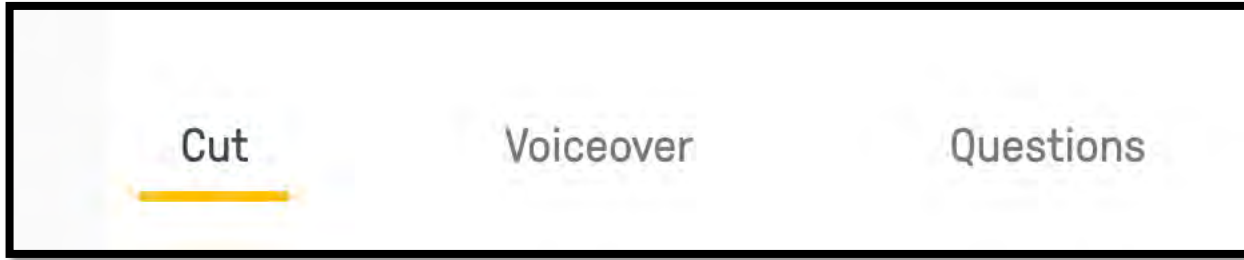
YouTube video



The image shows a screenshot of the Edpuzzle interface. On the left, a video player is displayed with a yellow rectangular selection box around the top-left corner. The video content shows a man in a suit and a blue bow tie with the text "Why care?" in yellow. Below the video, there is a white text box containing the text "101 CLIMATE CHANGE". The video player controls at the bottom show a play button, a progress bar at 00:00, a volume icon, and a full-screen icon. On the right side of the interface, there are three buttons: "Assign", "Copy", and "Edit".






4. 掌握如何提升及加強學教效能 -- Edpuzzle 編輯軟件(EDIT)



4. 掌握如何提升及加強學教效能 -- Edpuzzle 設定題目

The screenshot displays the Edpuzzle interface for a video lesson. At the top, there are three tabs: "Cut", "Voiceover", and "Questions", with "Questions" being the active tab. The video content shows a hand-drawn diagram titled "CLIMATE CHANGE" with a purple box. A purple arrow points from this title to the text "LONG TERM WEATHER PATTERNS". To the right, it says "EFFECTS OF GLOBAL WARMING" and "CONSEQUENCES:". Below these are three images: "DROUGHTS" (a dry landscape), "HURRICANES" (a storm), and "FLOODS" (a flooded area). Next to the images is the text "MORE COMMON AND SEVERE". A YouTube logo is visible in the background. At the bottom left, there is a play button icon and a progress bar showing 04:43 out of 06:14. On the right side, there is a menu for adding questions:

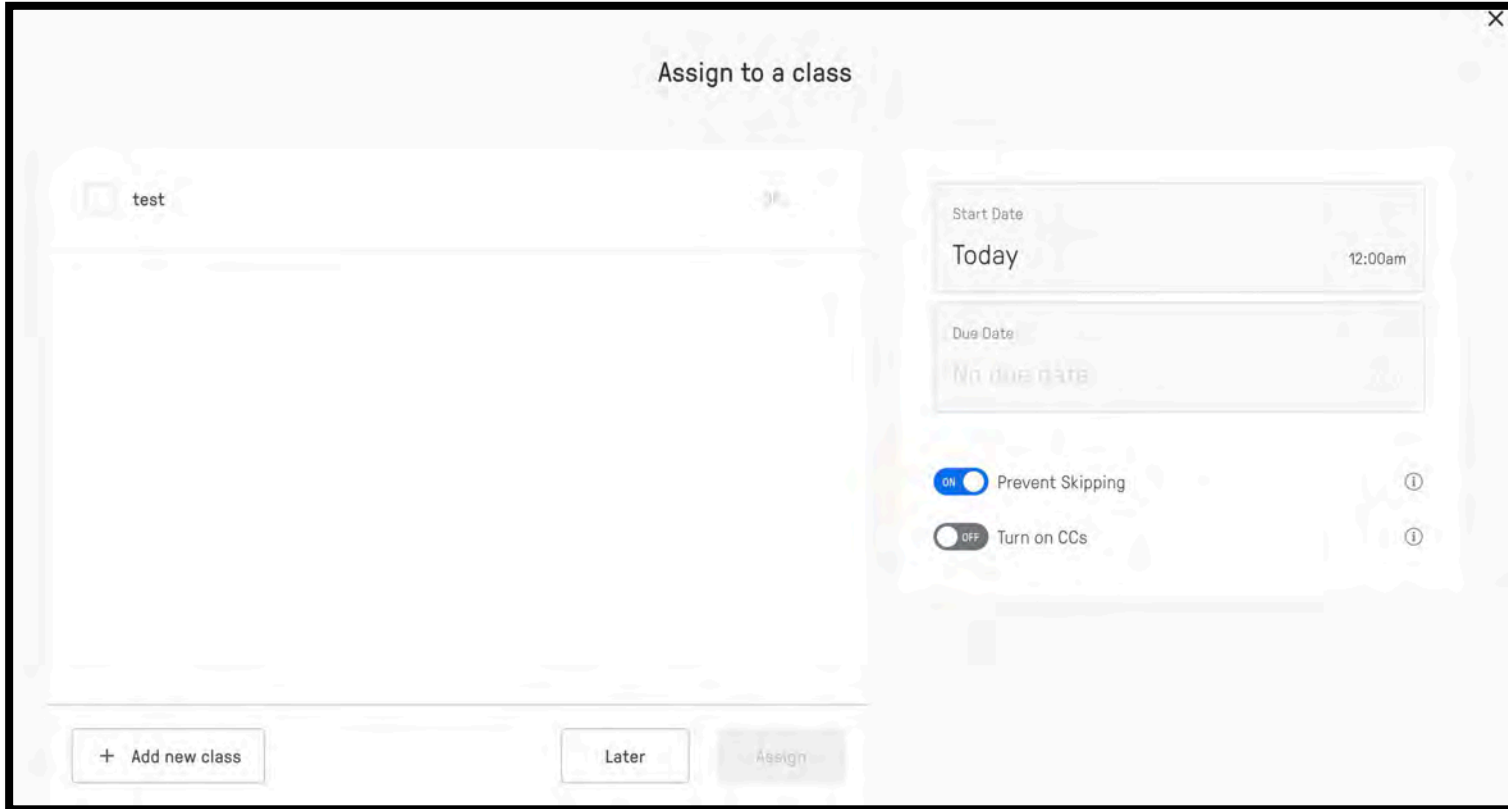
-  Multiple-choice question
-  Open-ended question
-  Note

Below the menu, there is a lightbulb icon and the text "Why add these?". Underneath that, it says: "Create questions to see which students understood the lesson, and add notes to give more information or get students' attention with a quick audio note!"

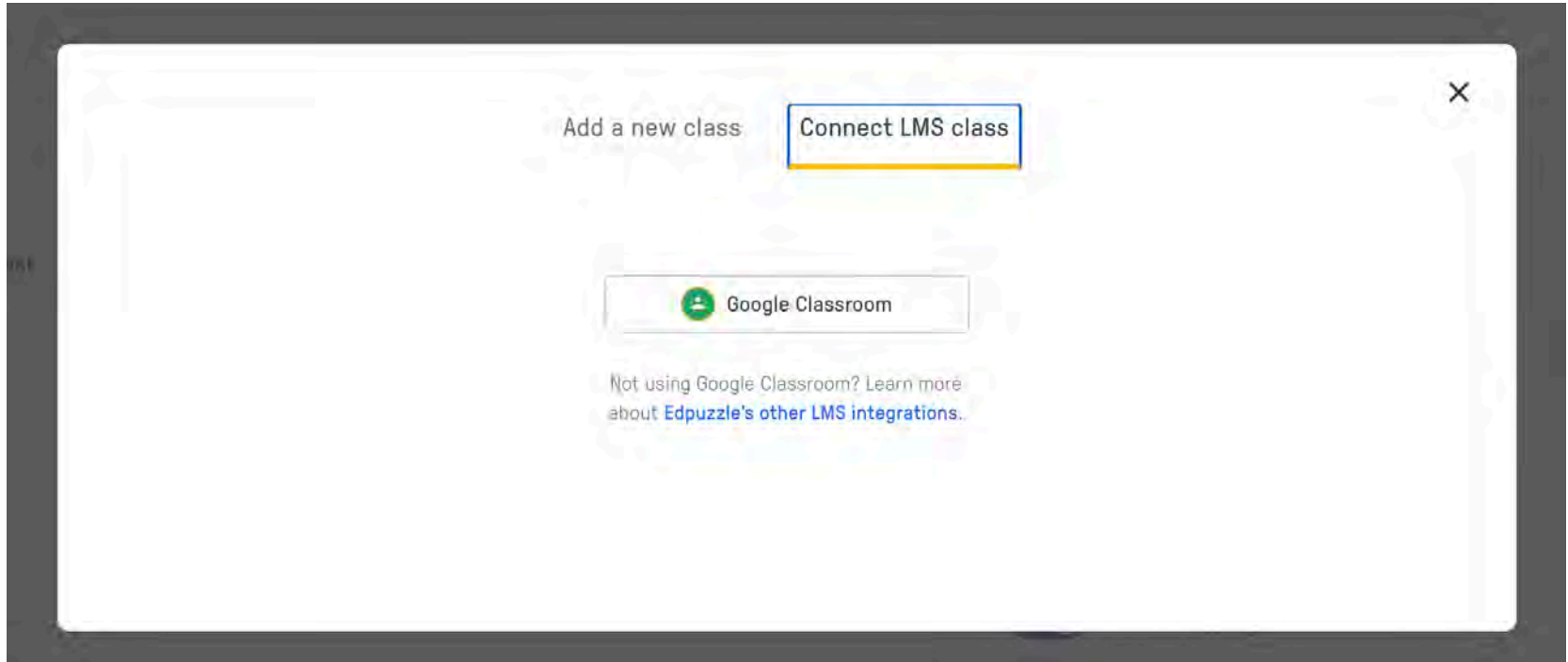
4. 掌握如何提升及加強學教效能 -- Edpuzzle 派發教件

The screenshot displays the Edpuzzle platform interface. At the top left is the Edpuzzle logo and a search bar. The main content area shows a YouTube video player with the title "GLOBAL WARMING" and a play button overlay. The video frame features a blue border and contains various illustrations: a person standing on a globe, a cow, buildings, and chemical symbols (H, O, C) representing environmental science. The video player includes a progress bar at the bottom showing 00:00 / 06:14. On the right side, there is a list of actions: Assign, Edit, Duplicate, Share preview, Delete, and Public.

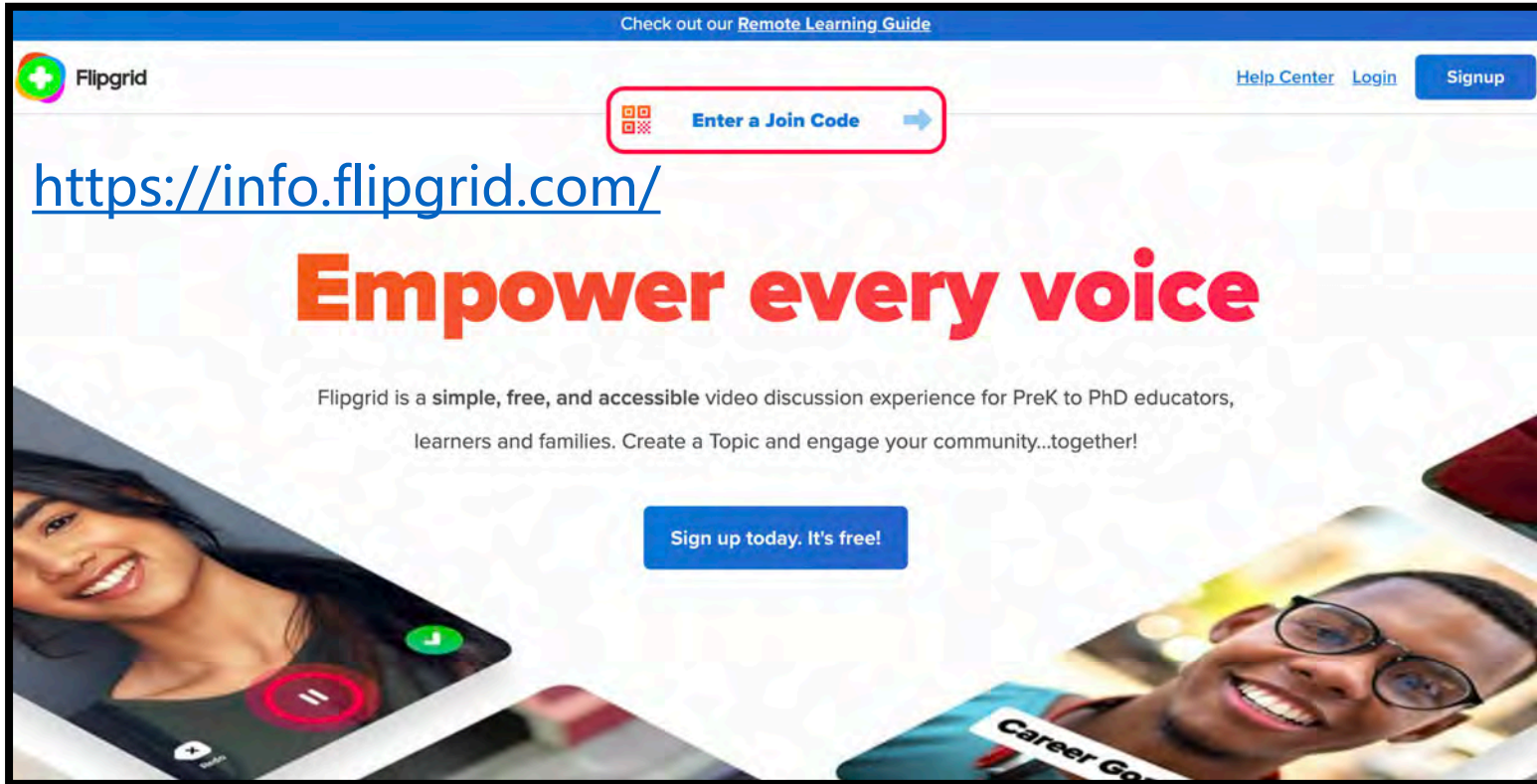
4. 掌握如何提升及加強學教效能 -- Edpuzzle 派發教件



4. 掌握如何提升及加強學教效能 -- Edpuzzle 派發教件 (LMS)



4. 掌握如何提升及加強學教效能 -- FlipGrid



The image shows the FlipGrid website homepage. At the top, there is a blue navigation bar with the FlipGrid logo on the left, a link to the "Remote Learning Guide", and "Help Center", "Login", and "Signup" buttons on the right. Below the navigation bar, there is a search bar with a grid icon and the text "Enter a Join Code" followed by a right-pointing arrow. The main heading is "Empower every voice" in large, bold, red letters. Below this, a paragraph states: "Flipgrid is a simple, free, and accessible video discussion experience for PreK to PhD educators, learners and families. Create a Topic and engage your community...together!". A blue button with the text "Sign up today. It's free!" is centered below the paragraph. The background features images of a smiling woman on a tablet and a smiling man with glasses on a tablet. In the bottom right corner, there is a small logo consisting of the letters "E", "L", "S", and "T" in different colors.

Check out our [Remote Learning Guide](#)

Flipgrid

[Help Center](#) [Login](#) [Signup](#)

Enter a Join Code →

<https://info.flipgrid.com/>

Empower every voice

Flipgrid is a simple, free, and accessible video discussion experience for PreK to PhD educators, learners and families. Create a Topic and engage your community...together!

[Sign up today. It's free!](#)


E L S T


4. 掌握如何提升及加強學教效能 -- FlipGrid戶口登記

Looking to join your discussion? [Enter a Join Code!](#)

Educator Sign Up

Students and participants do not need accounts.
Simply [enter your Join Code!](#)

 Sign up with Google

 Sign up with Microsoft

By continuing, I agree to Flipgrid's [Terms of Use](#)
and [Privacy Policy](#).

[Already have an account?](#)

Hi, Ho Wai! 🎉

Tell us a little about yourself.

First Name
Ho Wai

Last Name
Man

Country/Region

Grade/Age of your learner community

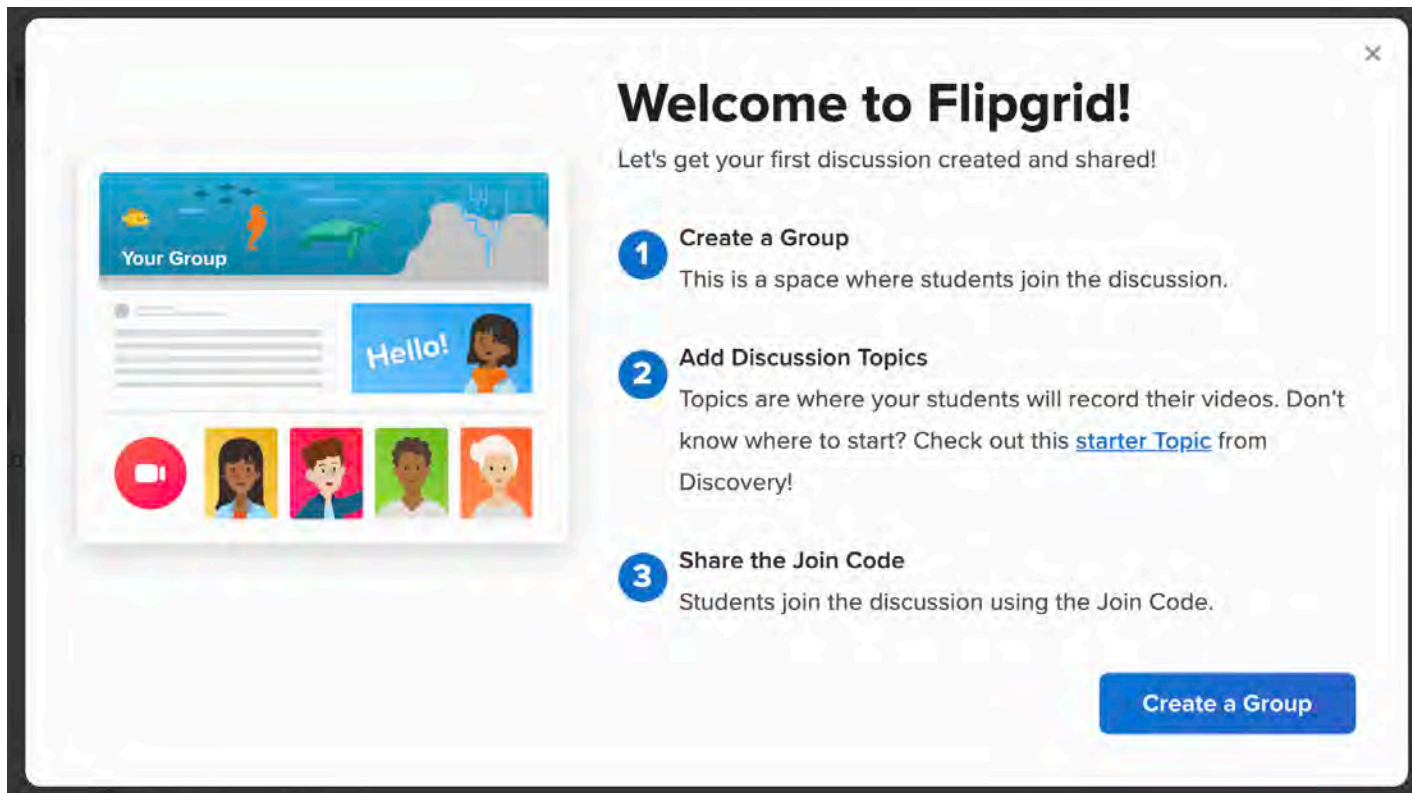
Date of Birth ?

Month Day Year

See Flipgrid's [best practices](#) and make sure to collect [consent forms](#) from students as needed.

Let's Go!

4. 掌握如何提升及加強學教效能 -- FlipGrid 三步曲



Welcome to Flipgrid!

Let's get your first discussion created and shared!

1 Create a Group
This is a space where students join the discussion.

2 Add Discussion Topics
Topics are where your students will record their videos. Don't know where to start? Check out this [starter Topic](#) from Discovery!

3 Share the Join Code
Students join the discussion using the Join Code.

[Create a Group](#)

The screenshot shows a preview of a FlipGrid group interface on the left. It features a header with the text "Your Group" and an underwater scene with a yellow fish, an orange fish, a green turtle, and a white rock formation. Below the header is a text input field and a "Hello!" message with a female avatar. At the bottom, there is a red circular button with a white video camera icon and a row of five colorful avatars representing diverse people.



4. 掌握如何提升及加強學教效能 -- FlipGrid 第一步 (開GP)

Let's make a Group

Groups are for your classroom or community.

- 1** Set up your Group
Add your Group details and personalize.
- 2** Add your participants
Choose who can join the discussion by making the Group private or public.

Next



4. 掌握如何提升及加強學教效能 -- FlipGrid 第一步 (開GP)

Create a new Group

Groups allow you to organize and share multiple Topics with your learning community.

Details

* Group Name

The name for your community or classroom.

0/45

Join Code

Students use this code to join the group.

7/20

flipgrid.com/man1901

Available

Accepts letters a-z and numbers 0-9. All letters will be saved in lowercase.

4. 掌握如何提升及加強學教效能 -- FlipGrid 第一步 (開GP)

* Permissions

Add your students

Use private permissions for classroom discussions or public permissions for larger learning communities. Public Groups should not be used in classrooms. [Learn more about permission types.](#)



Student Email



Student Username

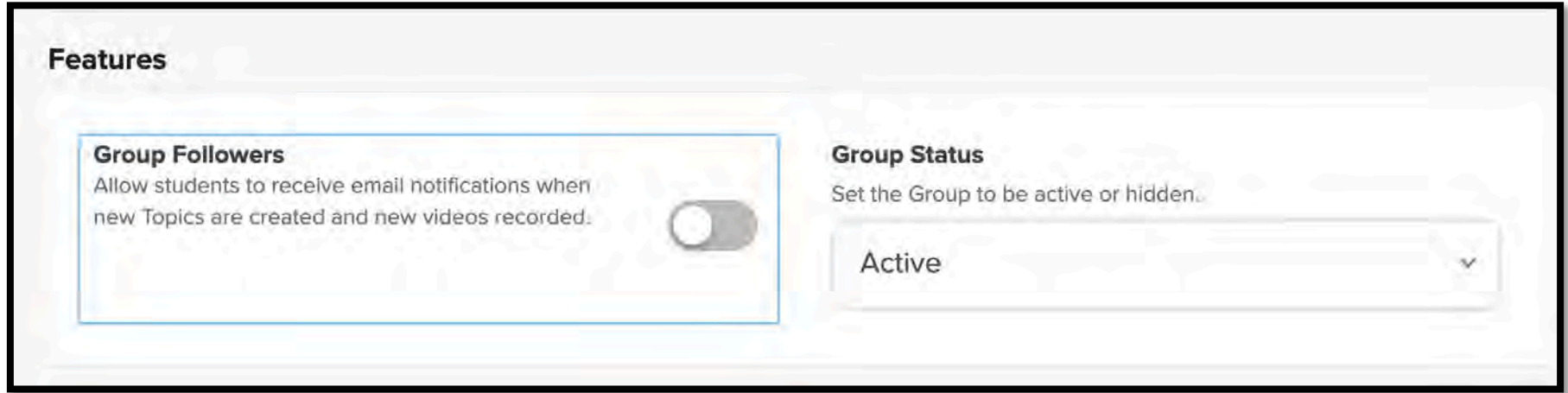


Google Classroom



Public

4. 掌握如何提升及加強學教效能 -- FlipGrid 第一步 (開GP)

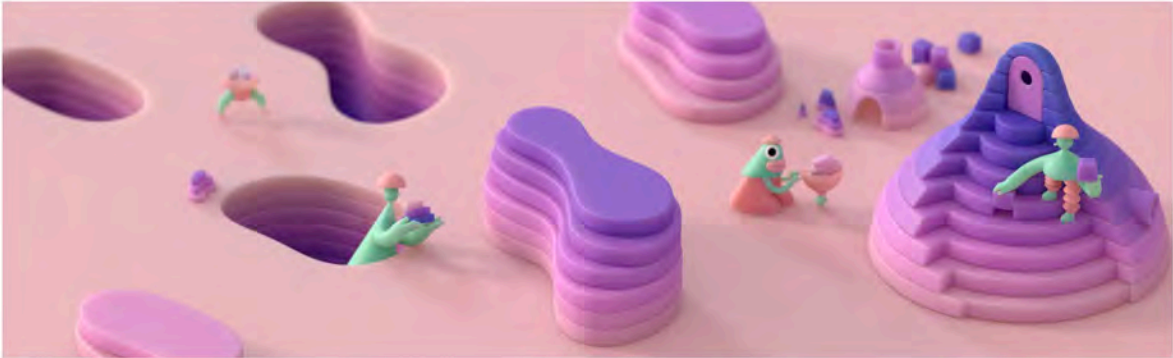


4. 掌握如何提升及加強學教效能 -- FlipGrid 第一步 (開GP)

Personalize
Select an image for the Group cover, or upload an image of your own to personalize.

Drop an image file or click to browse.

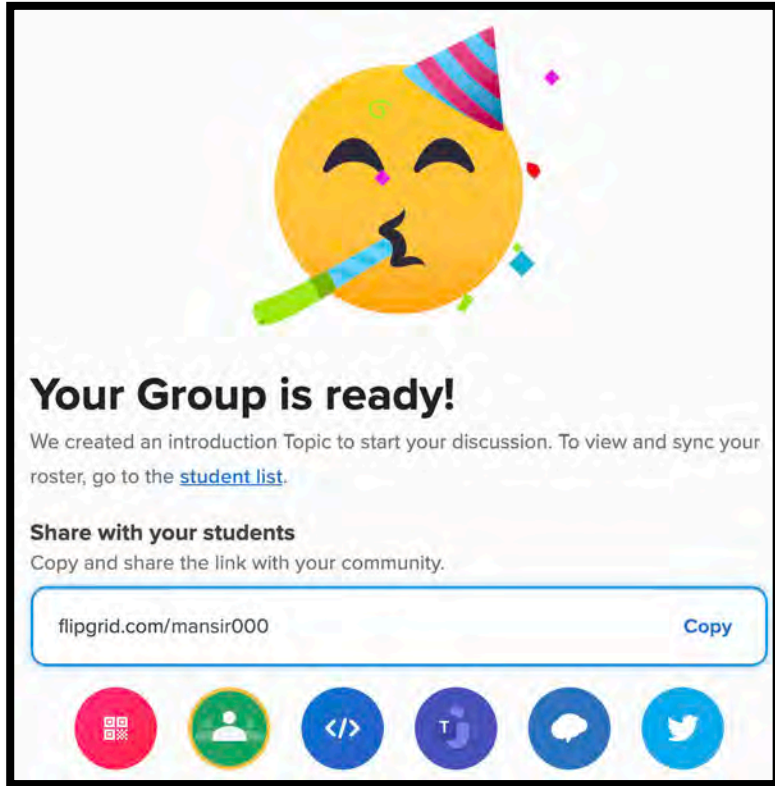
(We currently support JPEGs and PNGs. Recommended size for uploaded images is 1500 px by 500 px - you will be able to crop.)



ST)
png



4. 掌握如何提升及加強學教效能 -- FlipGrid 第一步 (開GP)



A screenshot of the FlipGrid interface showing a confirmation message. At the top is a yellow emoji with a party hat and a lit firework. Below it, the text reads: "Your Group is ready!". A sub-message says: "We created an introduction Topic to start your discussion. To view and sync your roster, go to the [student list](#)." Underneath is a section titled "Share with your students" with the instruction "Copy and share the link with your community." A text box contains the URL "flipgrid.com/mansir000" and a "Copy" button. At the bottom are six circular icons: a QR code, a person, code symbols, a speech bubble, a group of people, and the Twitter logo.

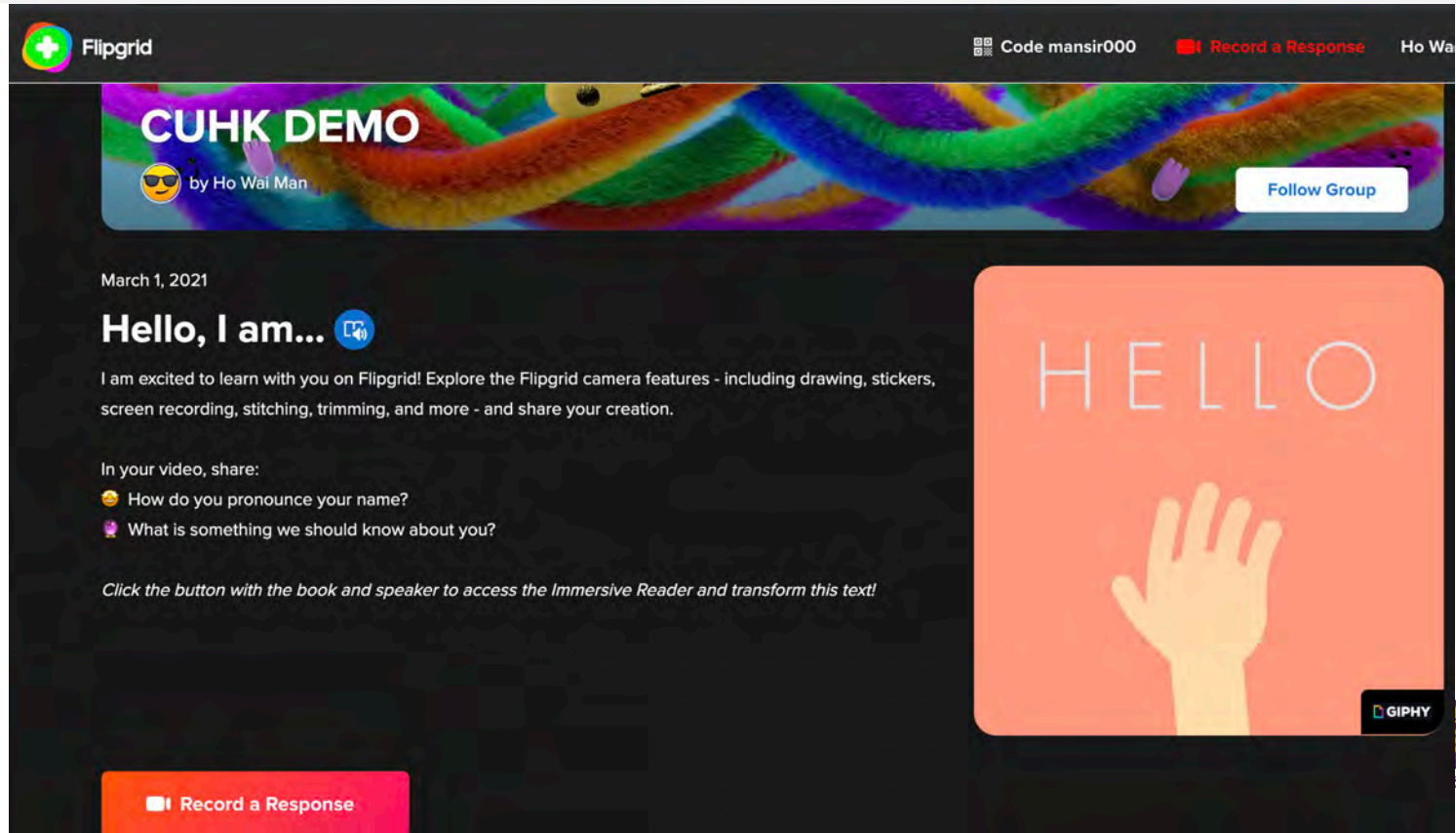
Your Group is ready!

We created an introduction Topic to start your discussion. To view and sync your roster, go to the [student list](#).

Share with your students
Copy and share the link with your community.

flipgrid.com/mansir000 Copy

4. 掌握如何提升及加強學教效能 -- FlipGrid 第二步 (加入討論專題)



The screenshot shows a FlipGrid interface for a discussion topic titled "CUHK DEMO" by user "Ho Wai Man". The page includes a header with the FlipGrid logo, user avatars for "Code mansir000" and "Ho Wa", and a "Record a Response" button. The main content area features a video player with a "HELLO" sign and a hand gesture. Below the video, there is a text prompt "Hello, I am..." with a speech bubble icon, followed by an introductory paragraph and two poll questions. A "Record a Response" button is visible at the bottom left.

Flipgrid Code mansir000 Record a Response Ho Wa

CUHK DEMO

by Ho Wai Man [Follow Group](#)

March 1, 2021

Hello, I am...

I am excited to learn with you on Flipgrid! Explore the Flipgrid camera features - including drawing, stickers, screen recording, stitching, trimming, and more - and share your creation.

In your video, share:

- How do you pronounce your name?
- What is something we should know about you?

Click the button with the book and speaker to access the Immersive Reader and transform this text!

Record a Response



4. 掌握如何提升及加強學教效能 -- FlipGrid 第二步 (加入討論專題)

0 Responses

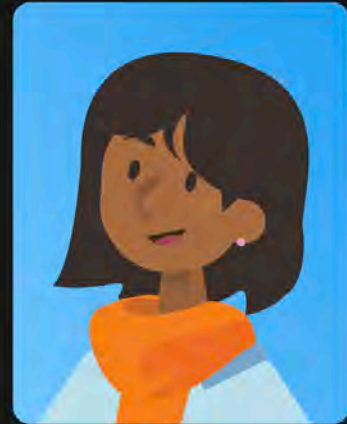
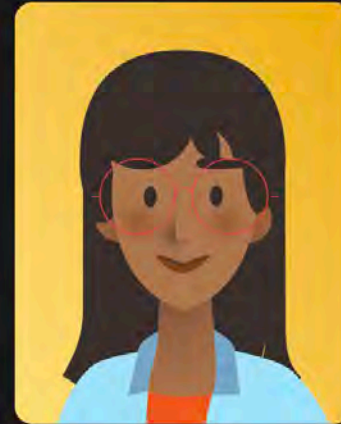
0 views · 0 comments · 0.0 hours of engagement

Search

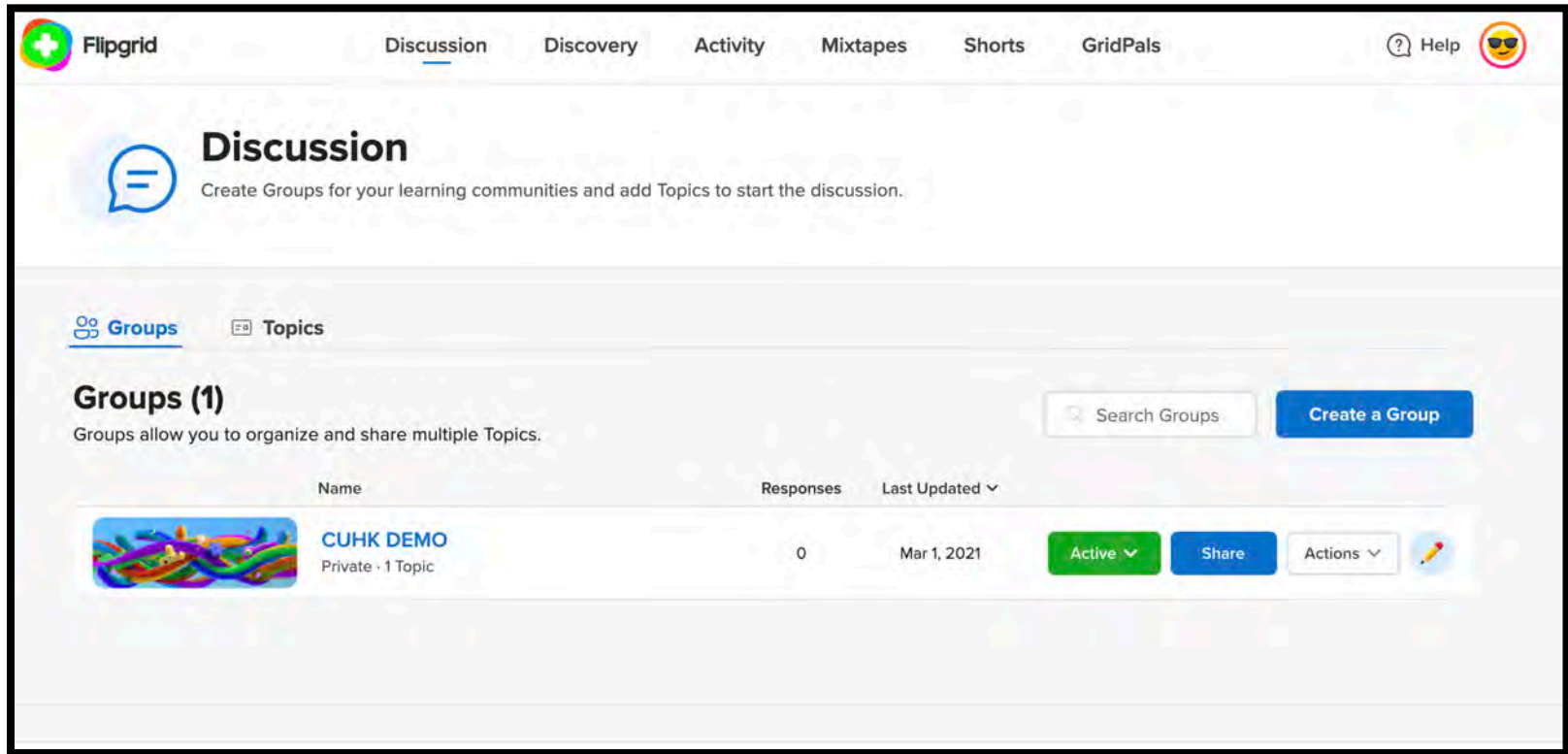


Record a Response



Record a Response to
share your voice!



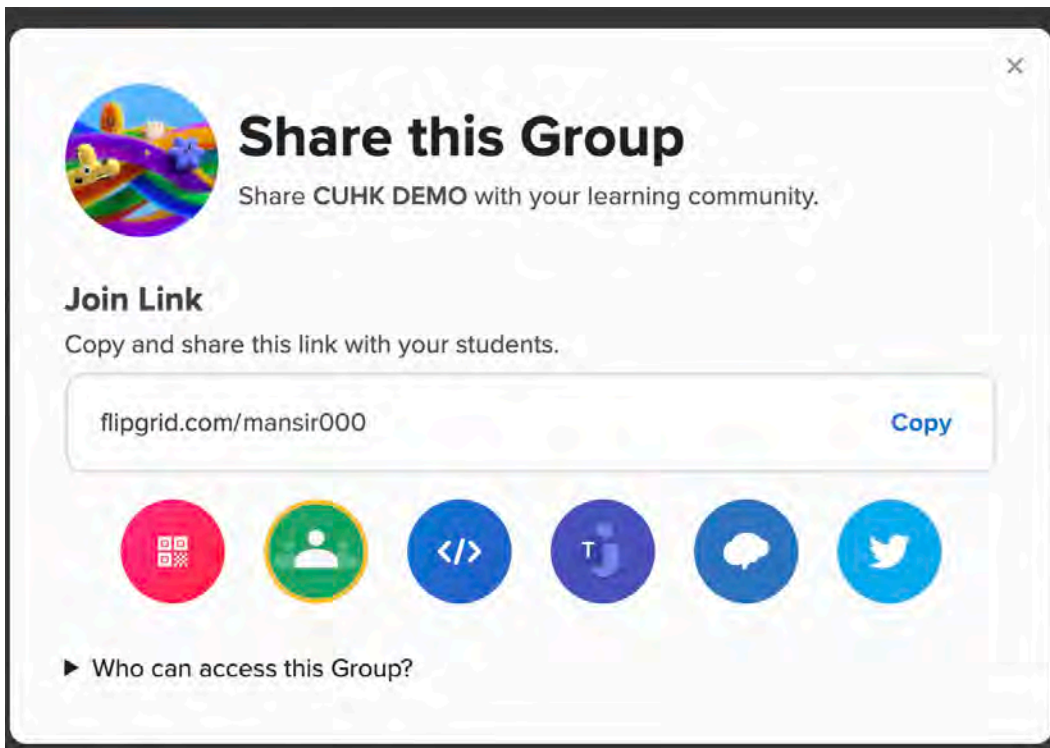
4. 掌握如何提升及加強學教效能 -- FlipGrid 第二步 (加入討論專題)



The screenshot displays the FlipGrid interface. At the top, there is a navigation bar with the FlipGrid logo and menu items: Discussion, Discovery, Activity, Mixtapes, Shorts, and GridPals. A Help icon and a user profile icon are also present. Below the navigation bar, the 'Discussion' section is highlighted, with a sub-header 'Discussion' and a description: 'Create Groups for your learning communities and add Topics to start the discussion.' Underneath, there are tabs for 'Groups' and 'Topics'. The 'Groups (1)' section is active, showing a search bar for groups and a 'Create a Group' button. A table lists the existing group:

Name	Responses	Last Updated	Actions
 CUHK DEMO Private · 1 Topic	0	Mar 1, 2021	Active ▾ Share Actions ▾ 

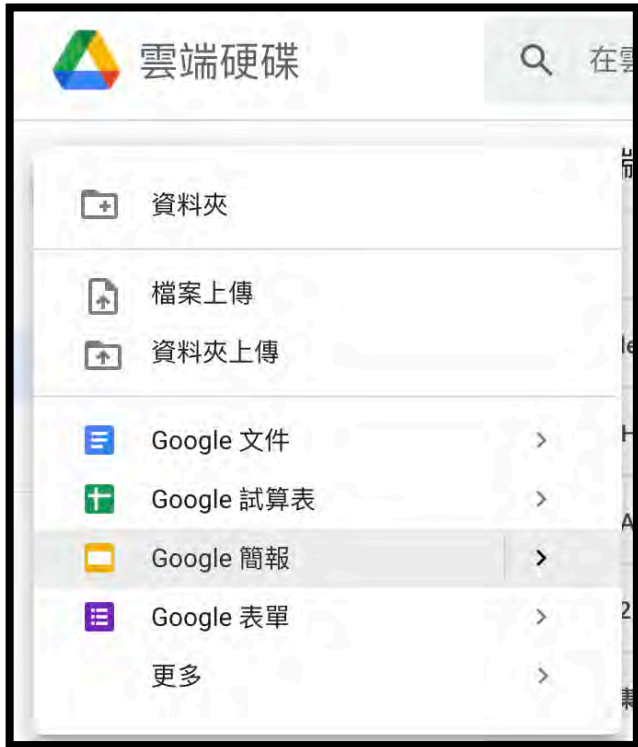
4. 掌握如何提升及加強學教效能 -- FlipGrid 第三步 (分享參與)



The screenshot shows a 'Share this Group' dialog box from FlipGrid. At the top left is a circular profile picture of a colorful landscape with a rainbow and a purple path. To its right is the title 'Share this Group' and the subtitle 'Share CUHK DEMO with your learning community.' Below this is a section titled 'Join Link' with the instruction 'Copy and share this link with your students.' A text input field contains the URL 'flipgrid.com/mansir000' and a 'Copy' button to its right. At the bottom, there is a row of six circular social media sharing icons: a red QR code icon, a green person icon, a blue code icon, a purple Facebook icon, a blue speech bubble icon, and a blue Twitter icon. At the very bottom left, there is a dropdown menu labeled 'Who can access this Group?'.

4. 掌握如何提升及加強學教效能 -- Pear Deck (with Google Slide)

<https://www.google.com/drive/>



4. 掌握如何提升及加強學教效能 -- Pear Deck (with Google Slide)

The screenshot displays the Pear Deck interface within a Google Slides environment. The main slide area shows a presentation slide with the following text:

按一下即可新增標題
按一下即可新增子標題

The sidebar on the right, titled '主題' (Theme), shows the current theme selected: '這份簡報中的主題'. Below this, there are three theme options:

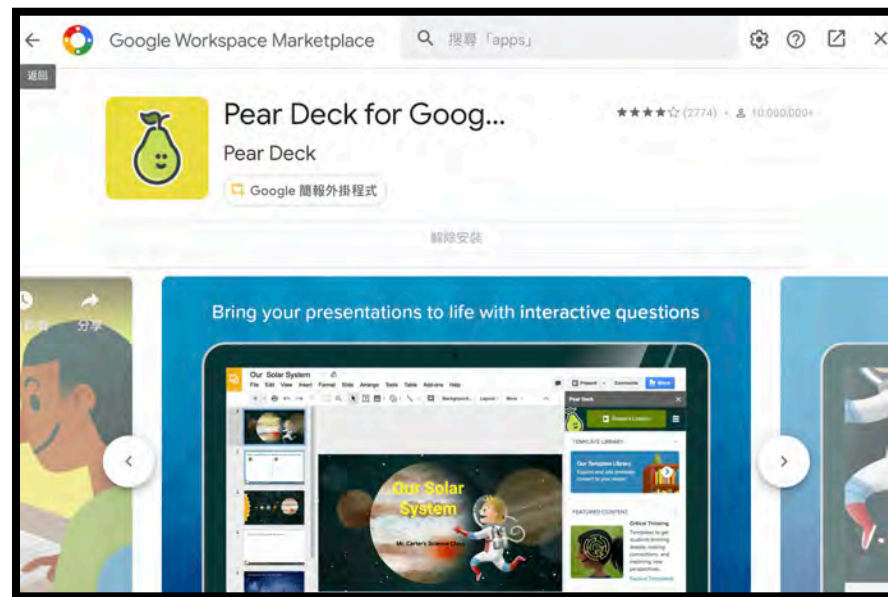
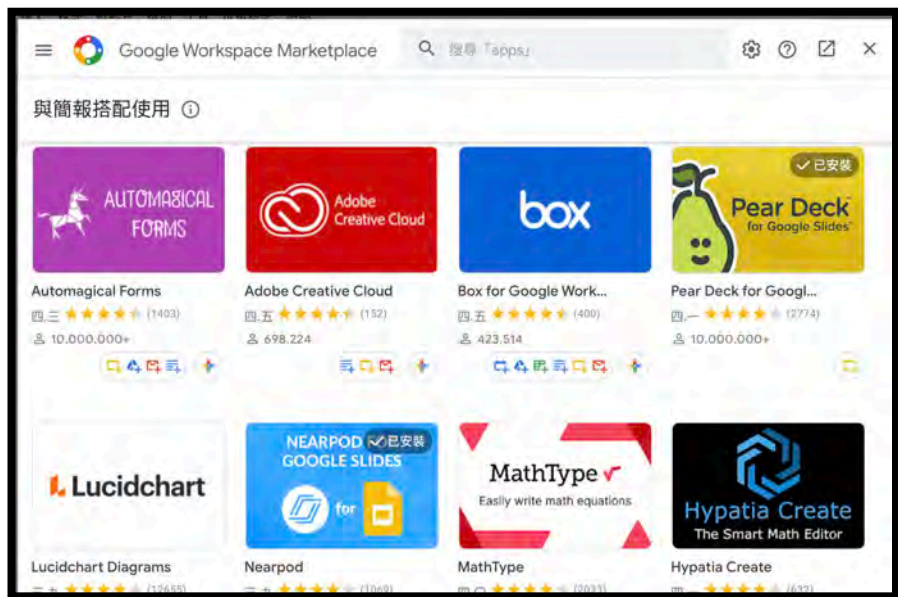
- 極簡白 (Minimal White): A white background with a yellow border around the text.
- 極簡黑 (Minimal Black): A black background with white text.
- 極簡灰 (Minimal Gray): A light gray background with dark text.

At the bottom of the sidebar, there is a button labeled '匯入主題' (Import Theme). The top of the interface shows the Google Slides menu bar with options like '檔案', '編輯', '查看', '插入', '格式', '投影片', '排列', '工具', '外掛程式', and '說明'. The title bar of the slide is '無標題簡報'.

4. 掌握如何提升及加強學教效能 -- Pear Deck (加入 add-on)



4. 掌握如何提升及加強學教效能 -- Pear Deck (加入 add-on)



4. 掌握如何提升及加強學教效能 -- Pear Deck (匯入投影片)

匯入投影片 ×

6 thinking hats.pptx 選取投影片：全部無



保留原始主題

返回 已選取 8 張投影片 取消 匯入投影片

4. 掌握如何提升及加強學教效能 -- Pear Deck (匯入投影片)

無標題簡報 ☆ 圖 云

檔案 編輯 查看 插入 格式 投影片 排列 工具 外掛程式 說明 上次編輯是在數秒前

+ - ↶ ↷ ↻ ↺ ↻ ↺ 注 背景 版面配置 主題 轉場效果

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

1

2 Six Thinking Hats
Blue Hat Focus
White Hat Facts
Red Hat Emotions
Yellow Hat Benefits
Black Hat Cautions

3

4 Weekly Test Thinking
- Information and data
- Neutral and objective
- What do I know?
- What do I need to find out?
- How will I test the information I need?

5 Yellow Hat Thinking Benefits
- Positives, plus points.
- Logical reasons are given.
- Why an idea is useful.

6 Black Hat Thinking Cautions
- Difficulties, weaknesses, dangers.
- Logical reasons are given.

按一下即可新增演講者備忘稿

主題

這份簡報中的主題

按一下即可新增標題
按一下即可新增子標題

極簡白

按一下即可新增標題
按一下即可新增子標題

極簡黑

按一下即可新增標題

匯入主題



4. 掌握如何提升及加強學教效能 -- Pear Deck (設計教件)

外掛程式 說明 上次編輯是在 4 分鐘前

文件外掛程式

17 | 18 | 19 | 20 | 21 | 22 | 23 | 24

Nearpod ▶

Pear Deck for Google Slides Add-on ▶

取得外掛程式

管理外掛程式

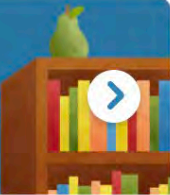
Open Pear Deck Add-on

說明

4. 掌握如何提升及加強學教效能 -- Pear Deck (加入題目)


TEMPLATE LIBRARY ▼

Our Template Library
Explore and add premade content to your lesson




ASK STUDENTS A QUESTION ▼
Adds a question to your current slide:


abc
Text


Choice


123
Number

www
Website



Draw


Draggable™

ADD AUDIO ▼
Record or upload audio files for your lesson:

 **Add Audio to Slide**

FEATURED CONTENT ▼



Be Internet Awesome.

Make every day Safer Internet Day with this free digital citizenship curriculum!

[Add to Drive](#)

About Our Add-on
Add interactive questions to your existing slides, or explore our slide library and add premade content to your lesson.

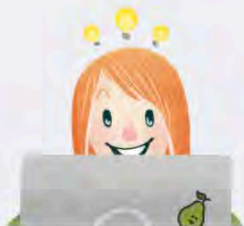
es (CLST)
ong Kong



4. 掌握如何提升及加強學教效能 -- Pear Deck (分派教件)

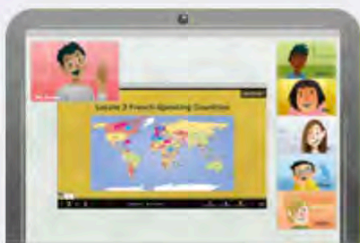
Choose Your Lesson Mode

You can always change this later.



Student-Paced Activity

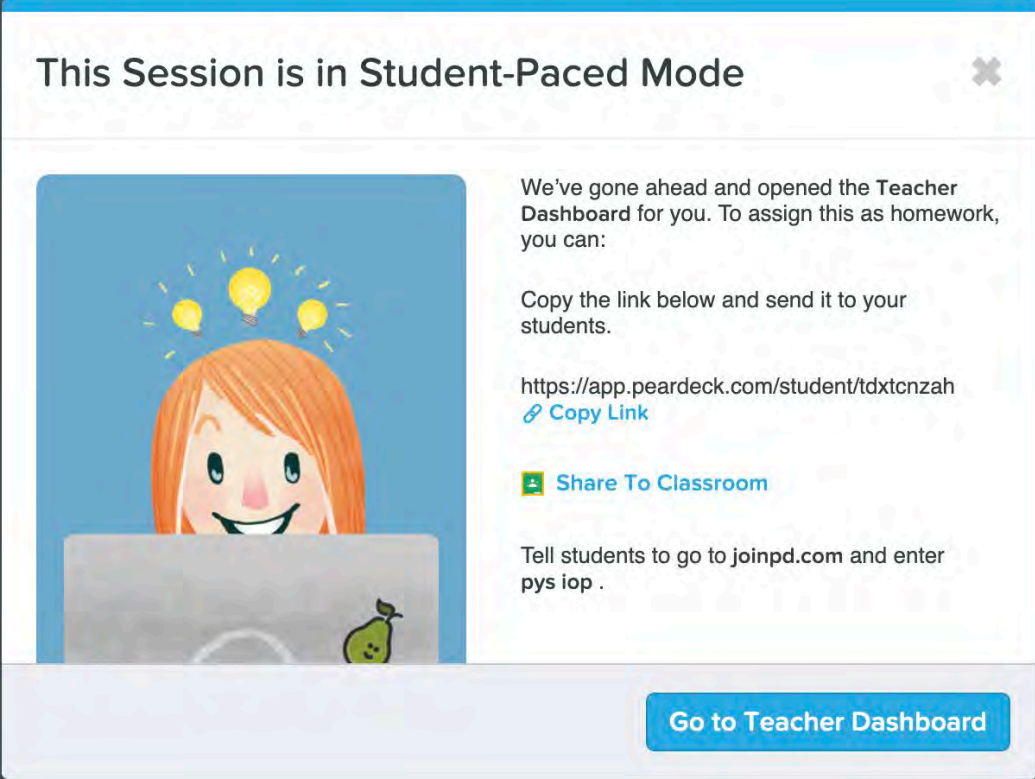
Pear Deck **Student-Paced Mode** allows you to get all the power of Pear Deck engagement even when students are working through lessons at their own pace, asynchronously.



Instructor-Paced Activity

If you are connected with your students in **real-time** (virtually or otherwise), use this mode to guide them through the lesson and see their responses synchronously.

4. 掌握如何提升及加強學教效能 -- Pear Deck (分派教件)



This Session is in Student-Paced Mode

We've gone ahead and opened the Teacher Dashboard for you. To assign this as homework, you can:

Copy the link below and send it to your students.

<https://app.peardeck.com/student/tdxtcnzah>
[Copy Link](#)

[Share To Classroom](#)

Tell students to go to joinpd.com and enter `pys iop`.

[Go to Teacher Dashboard](#)

The screenshot shows a notification window with a blue header and a close button. On the left is an illustration of a girl with orange hair and lightbulbs above her head, sitting at a laptop with a pear sticker. The main text provides instructions on how to assign homework via the Teacher Dashboard, including a URL and a 'Copy Link' button. There is also a 'Share To Classroom' button. At the bottom, it instructs to go to joinpd.com and enter a code, followed by a 'Go to Teacher Dashboard' button.

4. 掌握如何提升及加強學教效能 -- Pear Deck (分派教件)

joinpd.com

mpinpa

Misty Pears Instantly Notice Purple Avocados

Waiting for students...

No students connected

Give Students a Link Open Teacher Dashboard

Move this window to your classroom projector so your students can connect to this presentation.

補回上堂內容：

1. VLE
2. Nearpod



資訊科技工具 (IT TOOLS) 的基本學教功能

Nearpod : <https://nearpod.com/>

nearpod

Request a quote Sign up for FREE Log in

You'll wonder how you taught without it

Engaging media and formative assessments to make every lesson interactive.

STUDENTS
Join a lesson
Enter CODE

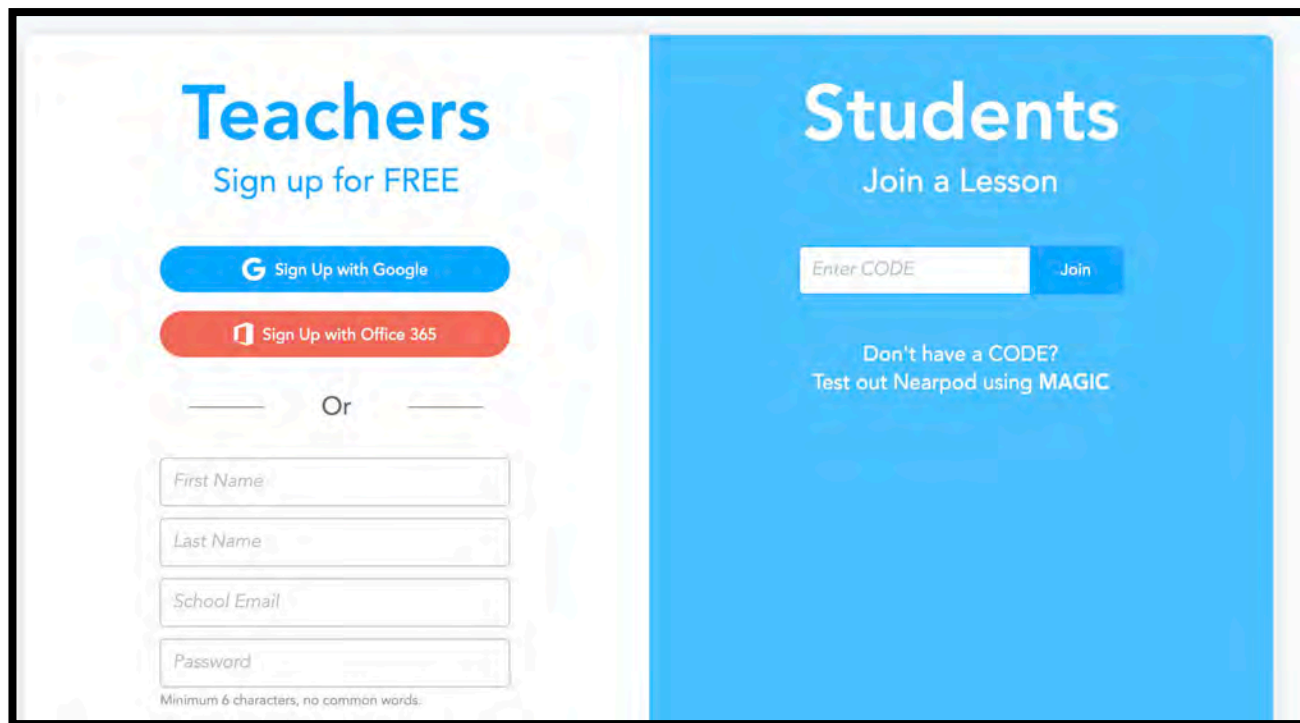
TEACHERS
Sign up for FREE
or Log in

ADMINISTRATORS
Discover more
or Request a quote



資訊科技工具 (IT TOOLS) 的基本學教功能

Nearpod : <https://nearpod.com/>



The image shows a split-screen view of the Nearpod website. The left side is for Teachers, and the right side is for Students.

Teachers
Sign up for FREE

Sign Up with Google

Sign Up with Office 365

Or

First Name

Last Name

School Email

Password

Minimum 6 characters, no common words.

Students
Join a Lesson

Enter CODE

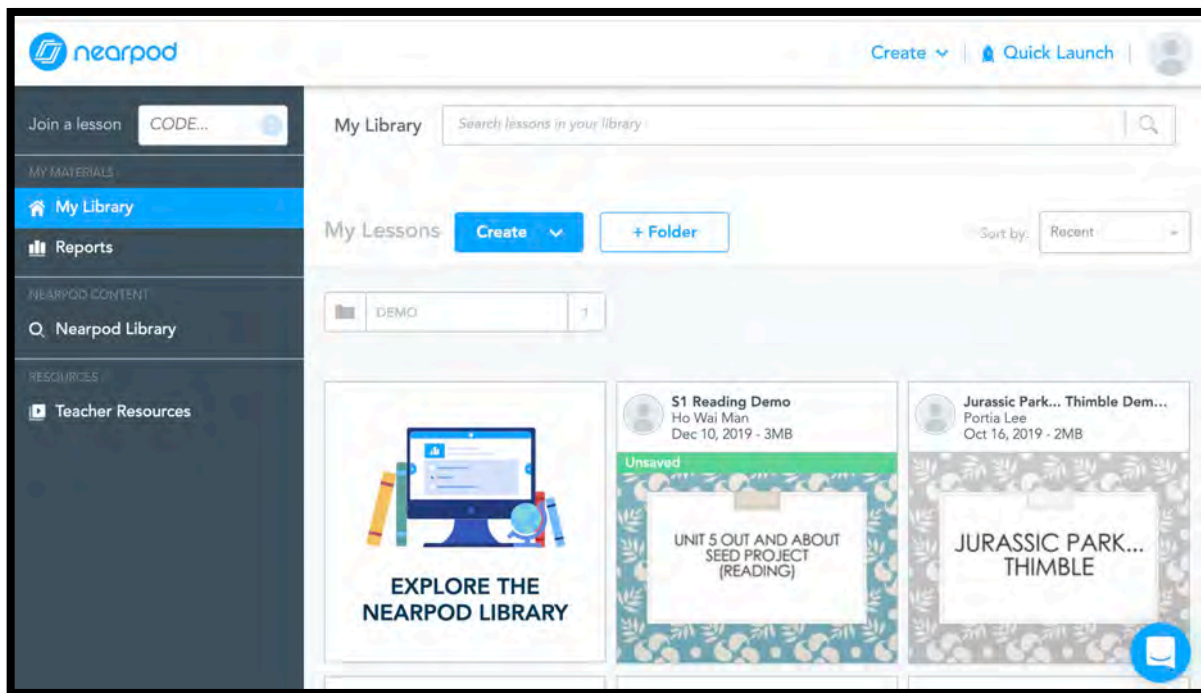
Join

Don't have a CODE?
Test out Nearpod using MAGIC



資訊科技工具 (IT TOOLS) 的基本學教功能

Nearpod : <https://nearpod.com/>

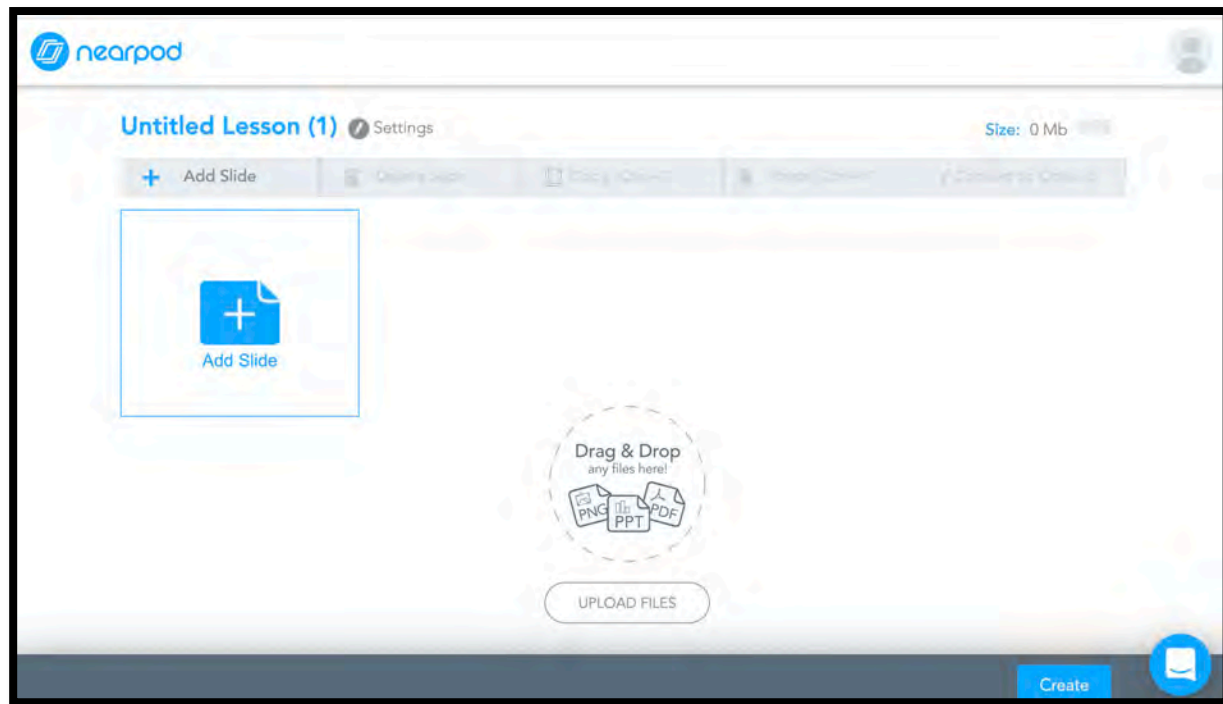


The screenshot displays the Nearpod web interface. On the left is a dark sidebar with navigation options: 'Join a lesson' with a 'CODE...' input field, 'MY MATERIALS' (including 'My Library' and 'Reports'), 'NEARPOD CONTENT' (including 'Nearpod Library'), and 'RESOURCES' (including 'Teacher Resources'). The main content area features a 'My Library' search bar, 'My Lessons' section with 'Create' and '+ Folder' buttons, and a 'Sort by: Recent' dropdown. Below these are three lesson cards: 'EXPLORE THE NEARPOD LIBRARY' with a computer icon, 'S1 Reading Demo' by Ho Wai Man (Dec 10, 2019 - 3MB) with a green 'Unsaved' banner and a reading project title, and 'Jurassic Park... Thimble Dem...' by Portia Lee (Oct 16, 2019 - 2MB) with a thimble title. A blue chat icon is visible in the bottom right corner of the interface.



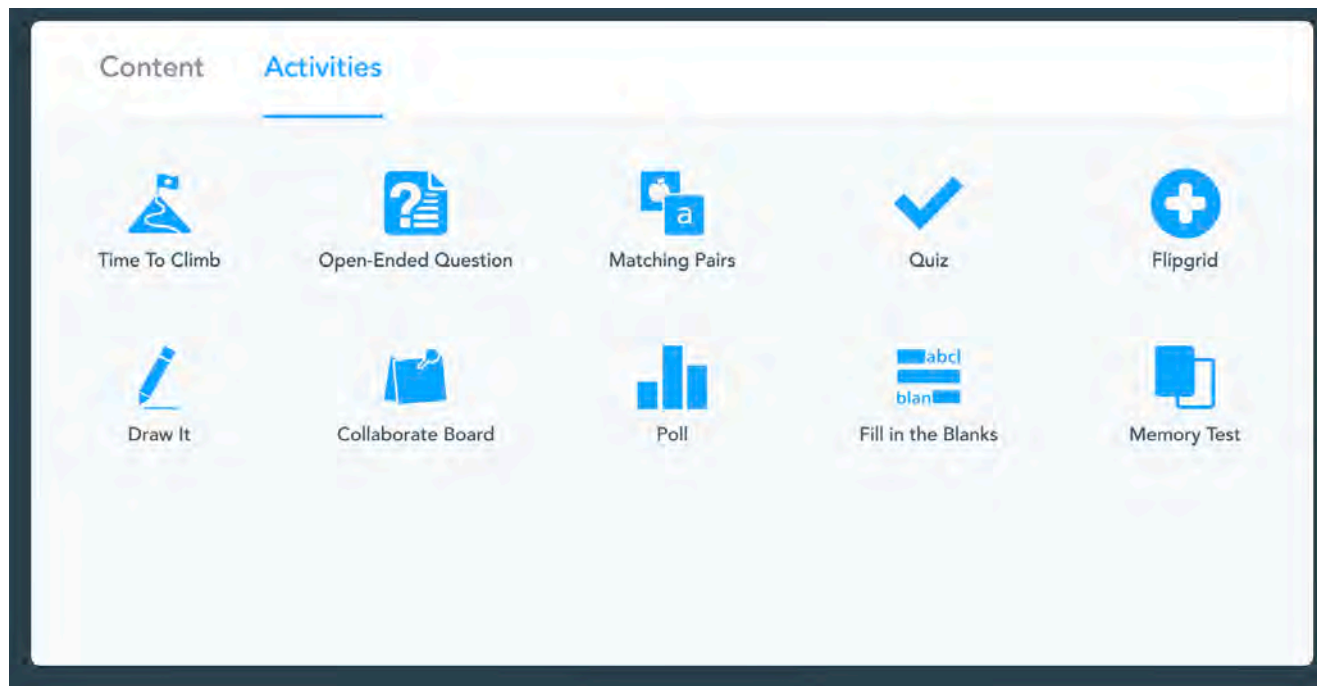
資訊科技工具 (IT TOOLS) 的基本學教功能

Nearpod : <https://nearpod.com/>



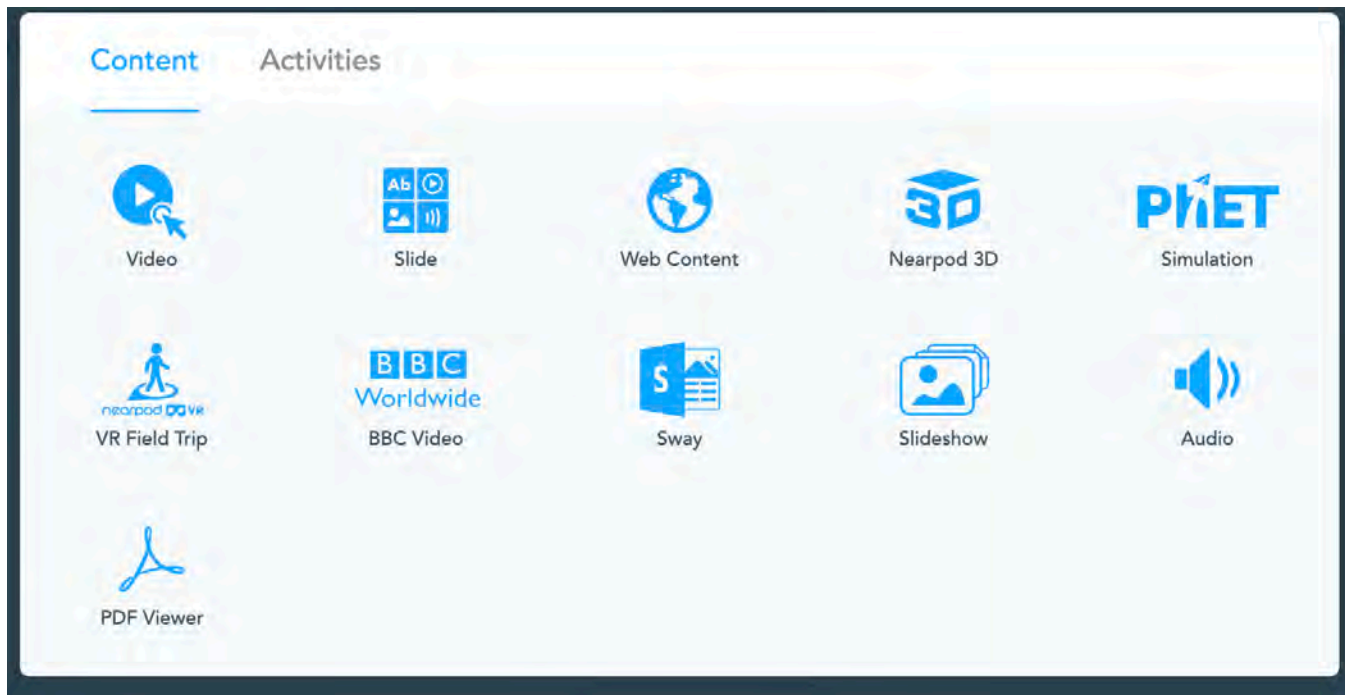
資訊科技工具 (IT TOOLS) 的基本學教功能

Nearpod : <https://nearpod.com/>



資訊科技工具 (IT TOOLS) 的基本學教功能

Nearpod : <https://nearpod.com/>



4. 學習管理系統的基本操作技巧

- i. 製作簡單電子學習教材
- ii. 進行電子評估活動
- iii. 發放教學材料給學生
- iv. 派發及收集學生課業及作出回饋

實習：

- a. 實際應用及操作：VLE (HKEdcity)
- b. 實際應用及操作：Google Classroom



實際應用及操作： VLE (HKEdcity)

用戶指南 https://www.edcity.hk/vle/zh-hant/user_guide

用戶指南

教師指南 學生指南

1. 課程設定、界面設定、課程首頁

課程設定、界面設定、課程首頁

03:11

用戶指南

教師指南 學生指南

學生提交測驗、作業及查閱分數

學生提交測驗、作業及查閱分數

03:40

總結

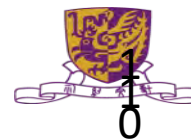
Centre for Learning Sciences and Technologies (CLST)
The Chinese University of Hong Kong



課堂安排 (第一節)

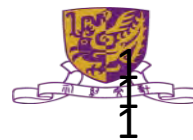
目標:

1. 有關**自主學習 (SDL)** 的相關學理
2. 不同**學習管理系統 (LMS)** 及**資訊科技工具 (IT TOOLS)**的基本操作、限制及功能
3. 於學習管理系統製作簡單**電子學習材料**、**電子評估活動**、**發放材料**及**收集學生課業與回饋**的基本技巧



課堂安排 (第一節)

1. 有關**自主學習 (SDL)** 的相關學理
2. 不同**學習管理系統 (LMS)** 的基本學教功能、共通元素、使用限制及最新發展功能
3. 不同**資訊科技工具 (IT TOOLS)** 的基本學教功能、共通元素、使用限制及最新發展功能
4. 學習管理系統製作簡單**電子學習材料、電子評估活動、發放材料及收集學生課業與回饋**的基本技巧
 - a. 實際應用及操作：VLE (HKEdcity)
 - b. 實際應用及操作：Google Classroom
5. 習作講解



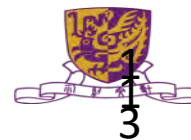
課堂安排 (第二節)

目標:

1. 於學習管理系統製作簡單電子評估活動、實時協作學習、提升學教效能
2. 掌握如何選擇合適的學習管理系統及資訊科技工具，於人文學科促進學生自主學習
3. 掌握如何通過學習管理系統及資訊科技工具，推展面授課堂及實時網上教學

課堂安排 (第二節)

1. 習作回饋
2. 掌握如何製作及進行簡單**電子評估活動** (40 分鐘)
 - a. Google Form
 - b. HKEDCITY – STAR
3. 掌握如何製作及進行簡單**實時協作學習** (30 分鐘)
 - a. Padlet
 - b. Explain Everything
 - c. Coggle



課堂安排 (第二節)

4. 掌握如何提升及加強**學教效能** (30 分鐘)
 - a. Edpuzzle
 - b. FlipGrid
 - c. Pear Deck
5. 掌握**如何選擇合適**的學習管理系統及資訊科技工具，於人文學科促進學生自主學習
6. 掌握如何通過學習管理系統及資訊科技工具，推展**面授課堂及實時網上教學**

聯絡



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