



2019 ATD

隔空學習

張淑萍

掌握數位學習多元運用 -What can we use?

致理科技大學 創新數位教學推動中心主任 / 多媒體設計系 副教授

教育部數位教學知識體系建立與實施計畫主持人

教育部磨課師品質提升計畫共同主持人

數位學習產業、企業 / 公部門數位學習導入與經營顧問暨講座

大專院校數位學習、遠距教學、磨課師推動顧問暨講座



FB留給老人用，IG才是王道？

My IG: shupingchang0725

Experiences



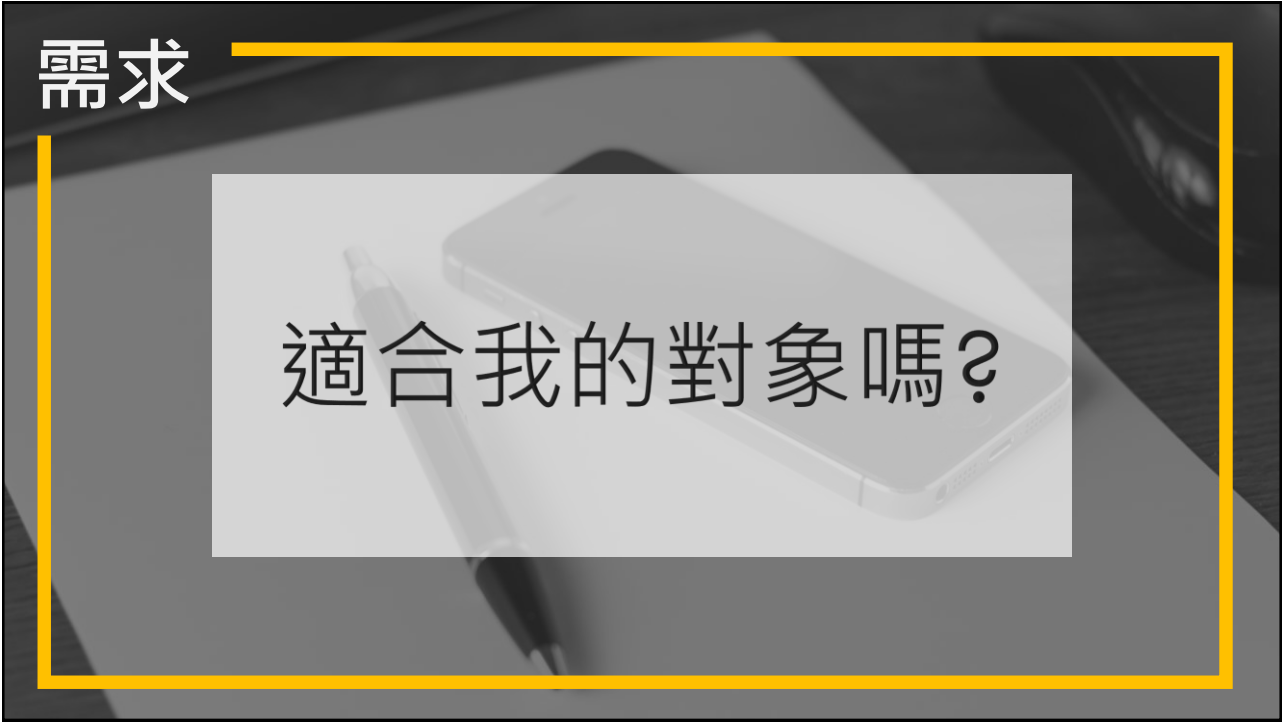
The top section features a banner for the ATD 2019 International Conference & Exposition. The banner includes the text "atd 2019 International Conference & Exposition May 19-22 | Washington, D.C." and "How Do You Make Learning Better?". Below the banner is a yellow button that says "FIND OUT AT ATD 2019". To the right of the banner is a circular diagram with three yellow arrows forming a clockwise cycle. The text in the diagram, from top to bottom, is "教學設計" (Instructional Design), "學習技術" (Learning Technology), and "資料分析" (Data Analysis).

The bottom section features a banner with the text "Today's Trends in Digital Learning Experiences". To the right of the banner is a list of session codes: SU210, SU103, M102, TU213, TU301, TU308, W316, and an ellipsis ".....".

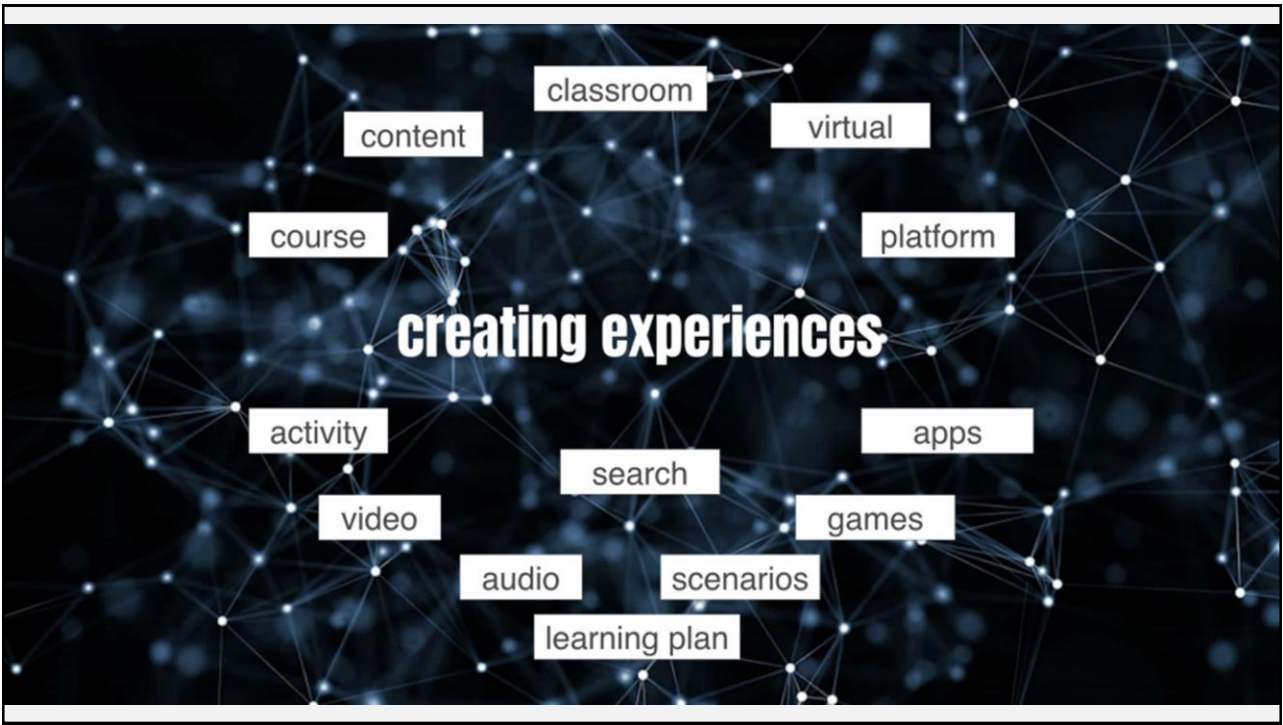
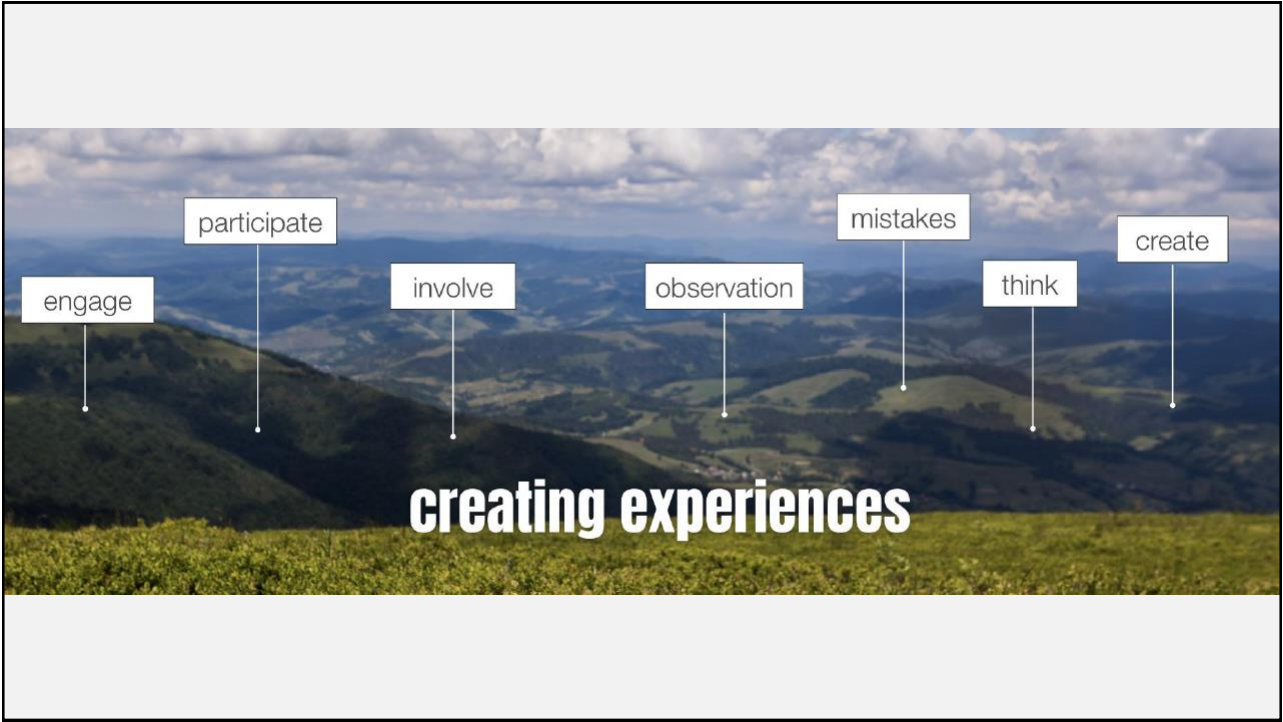


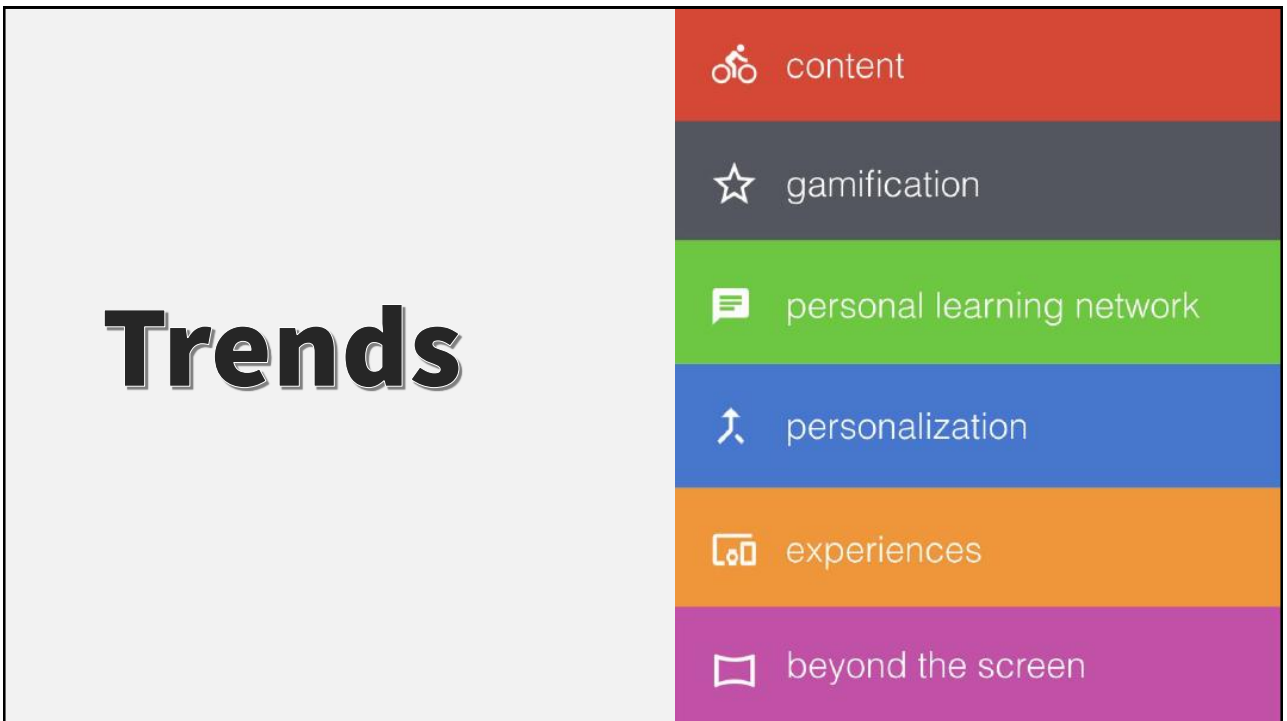
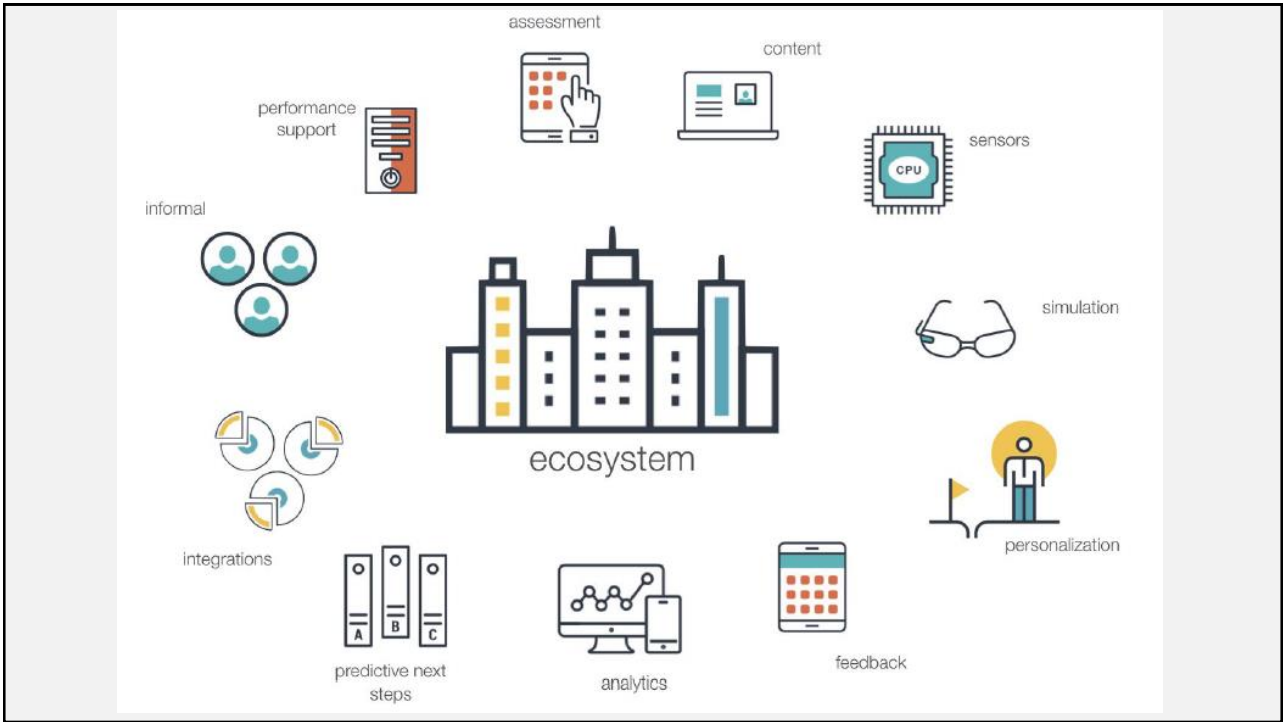
趨勢
是流行語嗎？

需求



適合我的對象嗎？





Content



彈性化 flexible



可搜尋 search



影音 video



微學習 micro-learning

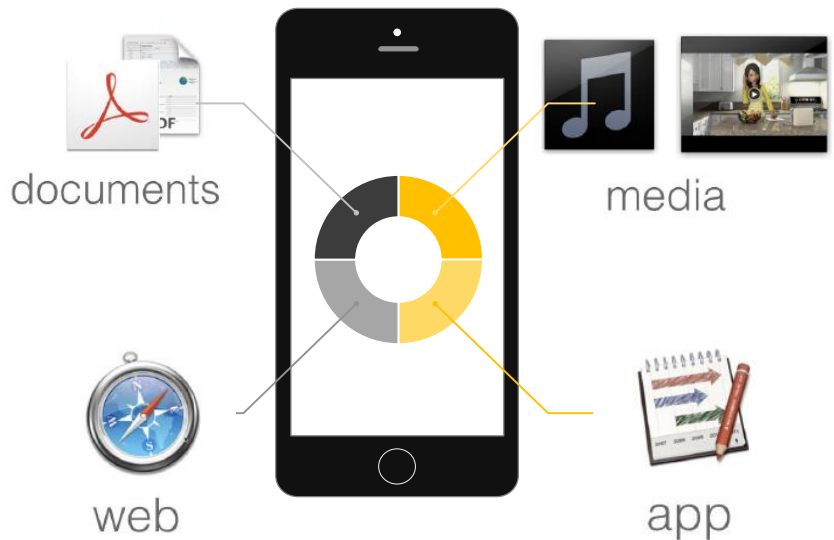


即時 just-in-time

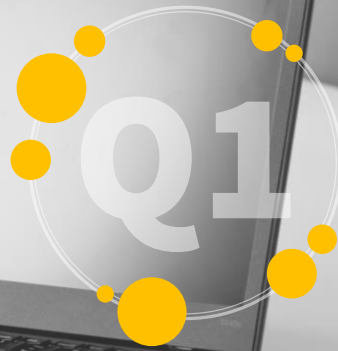


情境脈絡 context

發展內容 Developing Content



你有問題時
馬上會想問
誰？

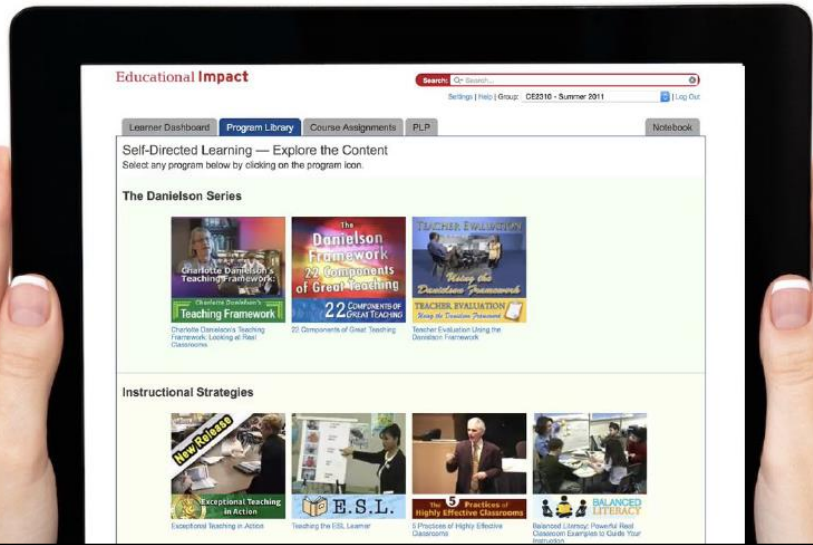


Old Way: Large Courses



New = Chunk Size | Slices

50 Programs - over 500 hours of content.



phone



phablet



tablet



desktop

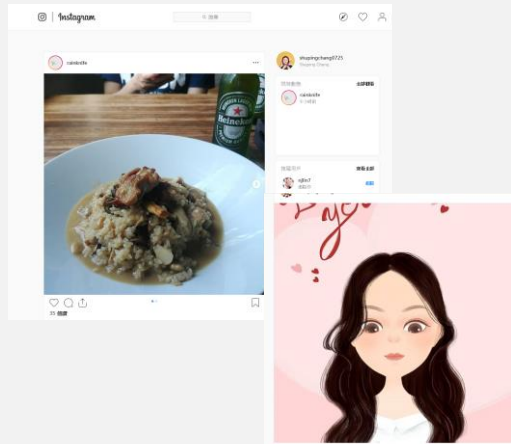
潮流是什麼?

FB

IG



___歲以上



___歲以下

當大家看的是這樣



而我們提供的是這樣

常見混成型式一(純線上)

課前	課中	課後
<ul style="list-style-type: none">問卷調查需求或背景課前測驗掌握起點能力發放信件給學員說明課程的結業標準與規定請學員觀看公告及課前預習教材	<ul style="list-style-type: none">依教學進度規劃請學員上線閱讀教材(含填寫練習題)依教學規劃請學員上線參與討論活動依教學規劃請學員上線繳交作業	<ul style="list-style-type: none">發放信件或公告請學員上線填寫課後問卷請學員上線參與課後測驗公告學員是否通過課程

重要

- 學習一旦停止，即開始遺忘
- 記憶有不同的生命期限，有些記憶很短，只記得幾分鐘，有些則可以記得幾天甚至幾個月。
- 重複學習使得記憶維持較久。
- 最有效的複習是在記憶曲線急速下降時，也就是即將大量遺忘的時候。
- 記憶是逐漸增強的，間歇性的複習可以將遺忘的速率降低，並延長其記憶的時間，逐漸將學習過程中的短期記憶轉換成為長期記憶。

發生了什麼事？

圖像思考+教學設計

組織內推動”自”製

~~專業軟體~~

HOW

讓SME(Subject Matter Expert)
能快速上手
&產出跨載具內容

The logo for the 2019 International Conference & Exposition. It features the letters 'atd' in a bold, lowercase, sans-serif font to the left of the year '2019'. The '0' in '2019' is a solid teal circle, and the '1' is a solid teal vertical bar. The rest of the numbers are in a grey, sans-serif font.

International Conference
& Exposition

*The World's Largest Talent
Development Conference*

May 19-22 | Washington, D.C.

用簡報軟體設計錄製，
但不是要做“簡報” !!
思維轉為做影片(視頻)

微影音教材的簡報
和一般簡報的差別?

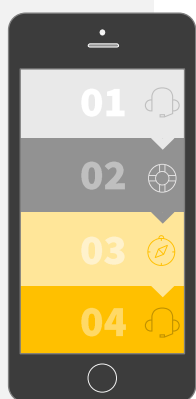
連連看

先畫面再旁白

一般簡報

先旁白再畫面
(講到哪裡出現到哪裡)

教材簡報



SHOW TIME

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 EXPLORE SOLUTIONS ENTERPRISE PRICING BLOG SUPPORT LOGIN SIGN UP

Create
 Awesome Videos
 & Presentations

It's Quick and it's Easy

START NOW

68,072,171 POWTOONS
 CREATED

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POWERPOINT
 2019

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BrightCarbon
Presentation design agency

We're a presentation design agency. We design clear, compelling, and persuasive presentations. We also provide advanced PowerPoint and presentation skills training, and use our visual storytelling skills to create effective eLearning.

Explain Everything | BUSINESS EDUCATION PRICING SIGN IN GET STARTED

Express ideas with total clarity

The interactive whiteboard platform where people collaborate, share, and learn without boundaries.

GET STARTED

Turn ideas into understanding

Social Media

61k
93k
58k

Media								
Topic	影音 (視頻)	PDF (文件)	eBOOK (電子書)	Chatroom (討論版)	Board (公告版)	直播	同步線上 課程	評量活動 (測驗、問 卷、作業)

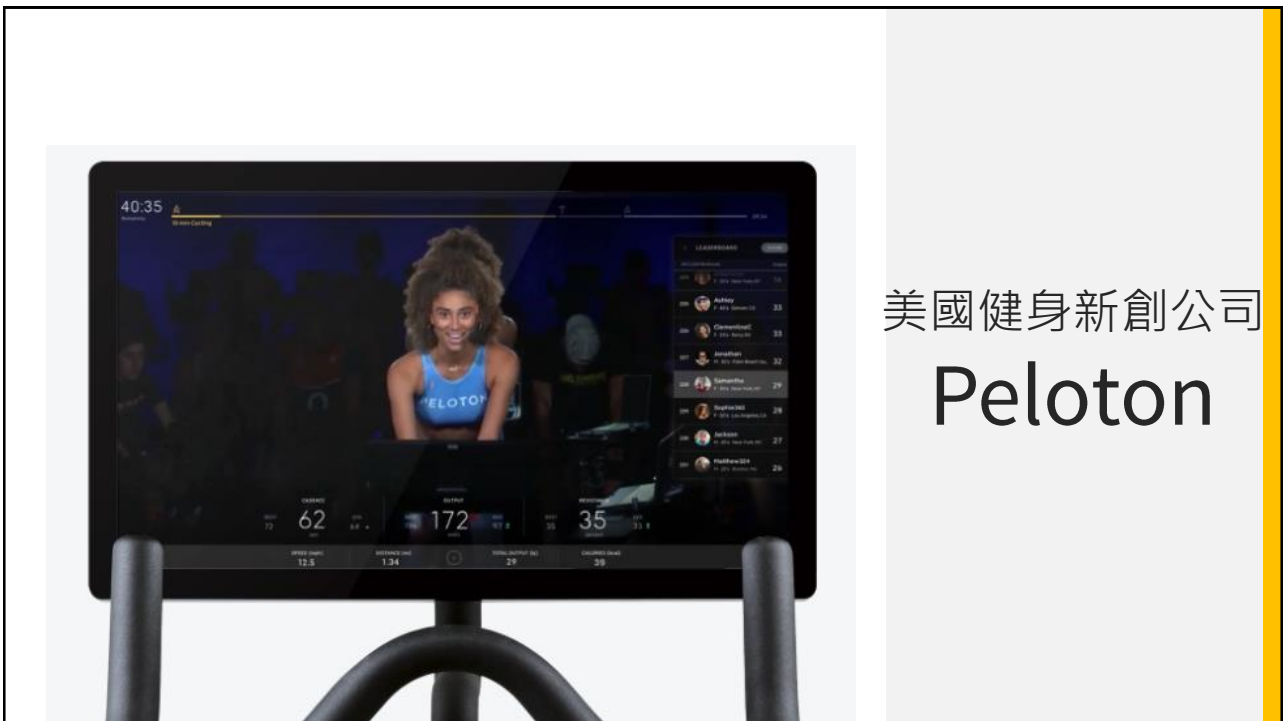
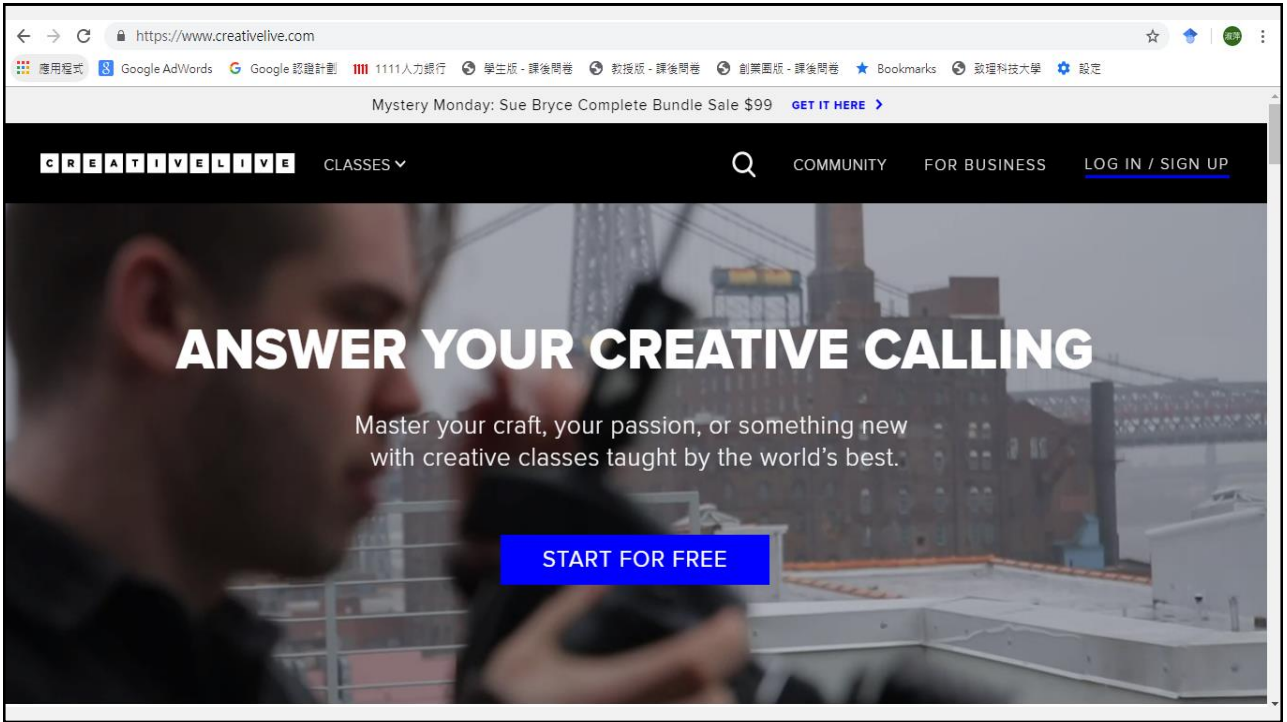
ANYTIME

Everywhere

直播



The image illustrates the 'ANYTIME' and 'Everywhere' theme, focusing on live streaming. A yellow banner with the Chinese characters '直播' (Live) is positioned over a YouTube interface. The YouTube interface shows a live stream player with a '直播' (Live) badge and a chat window overlaying it. The chat window shows various messages and reactions, including '歡迎', '好', and '加油'. The overall layout is framed by a yellow border.



新興科技應用

- 線上輔助教學 (如模擬、遊戲等)
- AR / VR / MR
- APP
- AI 進行式

互動教學 線上教學

- 課程即時評量、即時回饋
- 行動載具或互動工具、軟體，結合輔助教學綜合運用
- 線上教學
- 運用學習管理系統安排非同步或同步線上教材與活動
- 各式融入課程或純線上(遠距、SPOC、MOOCs、直播...等)教學

輔助教學

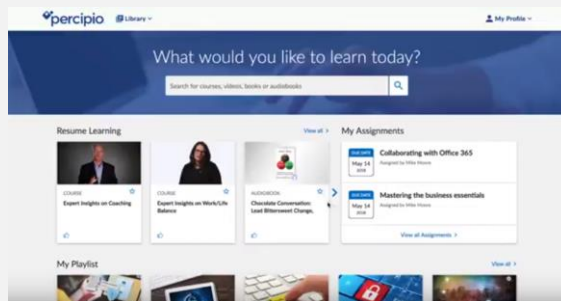
輔助教學、展示教材

- 運用多媒體影像輔助抽象概念教學
- 實物投影；電子互動白板呈現教學
- 翻轉教學



資料分析

個人化



WayE 微學棧
Way to E-Teaching

首頁 線上微學 知識體系 資源工具 其他 登入



邁向數位教學 Best Way to

運用彈性的個人化線上學習
技能並提昇自我，為您

WayE小幫手
Hi! 我是 WayE 小幫手，有關在推動數位教學上有任何問題都可以問我
啲

登入 Messenger
在 Messenger 與 WayE 小幫手聊天

- 認識有益您數位教學應用的知識、技能與態度
- 運用數位，提升多元教學技巧與訓練實施
- 隨時為現在、未來的教學或培訓做好準備



THANK YOU

f 張淑萍



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動態時報

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