

高中通識教育科的電子學習課堂

文可為副校長

樂善堂余近卿中學



目標

介紹有關有效使用網絡環境及流動學習工具,配合應用程式及學習管理系統運用,提升通識教育科學教效能

分享內容



https://goo.gl/3wu5vp



網絡群組:聯校通識專業學習社群









EduVenture®

電郵 密碼 登入

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划画经盟

系統學與教

duVenture 網誌

聯絡咨剌



EduVenture® Composer

由於網絡技術問題,近日連接到EduVenture伺服器曾出現斷線或無法編輯等問題,我們已盡力及已完成收復工作。 EduVenture系統已正常連作。但伺服器早前的問題可能導致2016年11月至12月其間的題目選項出現不完整,而需要重新 輸入選項。主要受影簡題型為MC裡的選,表格及概念圖的內容;("題目本身不受影響)。在未來會致力更新系統,令服 務更穩之可靠;這次為各位帶來不便,我們十分抑數。若有任何疑問或率要技術支撑,這電郵至clst@fed.cubk.edu.bk



EduVenture®戶外教材設計比賽 得獎作品

http://ev-cuhk.net/

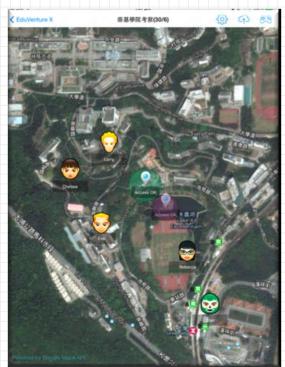


Two years ago, the Centre for Learning Sciences and Technologies (CLST), The Chinese University of Hong Kong (CUHK) launched the EduVenture® learning system, which has been well received by students and teachers.

CLST has recently developed EduVenture® VR (Virtual Reality), a sub-system of EduVenture®.









The EduVenture System In 3 parts





Student +Teacher

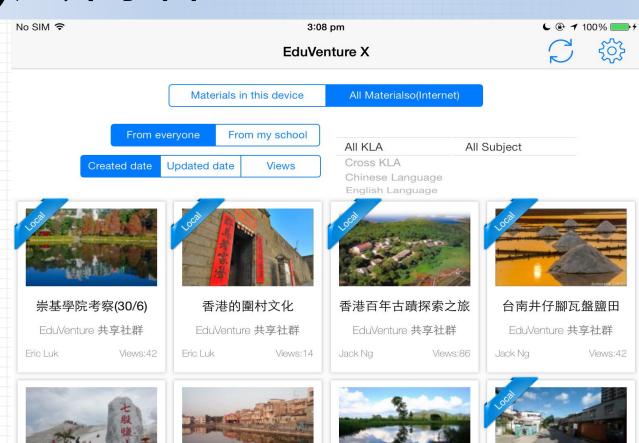
The EduVenture X App

iPad



iPhone



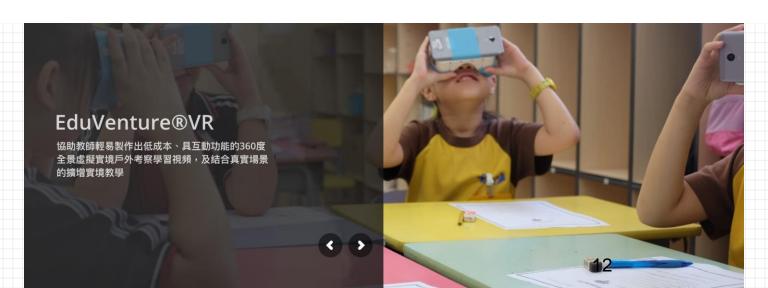


This is a user-friendly web-based composer for teachers to produce VR and AR (Augmented Reality)-based immersive fieldtrips.

Through this system, students of limited means or with special needs can also experience real-life fieldtrips which would otherwise be costly, difficult or impractical.



EduVenture® VR adopts affordable interactive 360° spherical VR and AR technologies for teachers to produce VR-based immersive fieldtrip learning videos that capture real-world environments layered with AR-based pedagogic scaffolds.





Capture 拍攝

Cloud 儲存

View 觀看







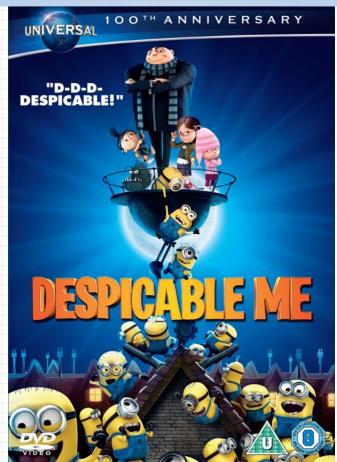
Aurasma is Autonomy's augmented reality platform. It is available as a software development kit or as a free app for iOS- and Android-based mobile devices.

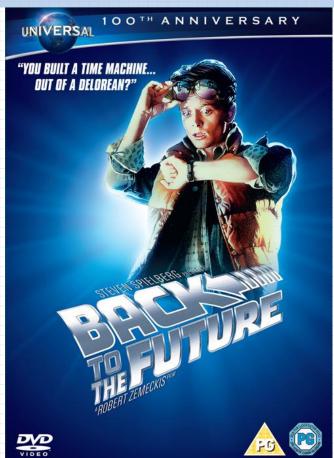
Aurasma's image recognition technology uses a smartphone's or tablet's camera to recognize real world images and then overlay media on top of them in the form of animations, videos, 3D models and web pages.

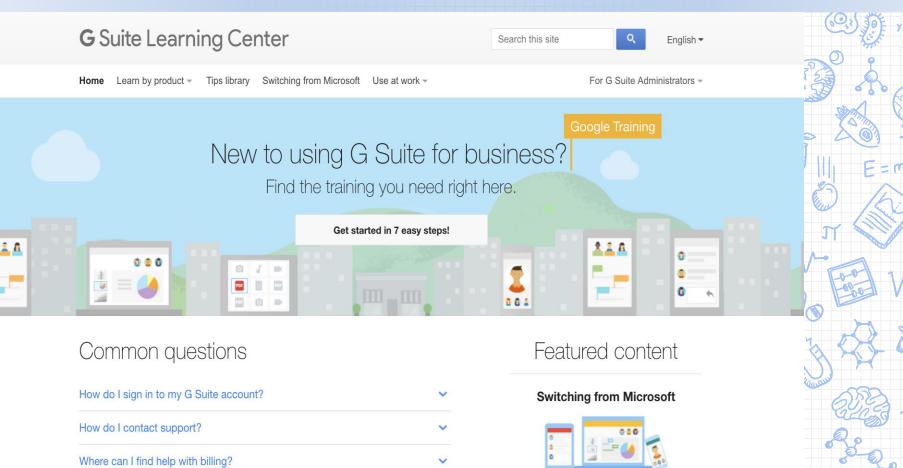


https://youtu.be/GBKy-hSedg8









Overview Quick Start Guide Mobile

Communicate

M Gmail

inbox 🌺

Cloud Search

Hangouts

31 Calendar

Groups

G Google+

Store

Drive

Collaborate

Docs



Sheets



Slides



Forms



Sites



Keep



Microsoft

Cloud V

Mobility ∨

Productivity \vee

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Stream



Flow



PowerApps



School Data Sync





利用雲端、開放式標準的虛擬學習環境(Virtual Learning Environment, VLE),學校可融合並整全地管理教學、學習、評估、協作、回 饋以至學習數據分析,深化電子學習。

開放式標準學習管理系統

- 專為學界設計的網上系統,助學校融合並整全地管理教學、學習、評估
- 學校可於系統建構課程和內容,系統化於全校推展電子學習
- 長遠而言,開放式VLE系統使教師不受平台限制,可靈活匯入/出多方教學資源(如校內外教師資源、第三方應用程式及教材)作
 教學用途
- 學生於系統內完成課業、評估、協作等學習活動並取得回饋,所有學習歷程和數據由系統完整記錄,供學校分析及參考

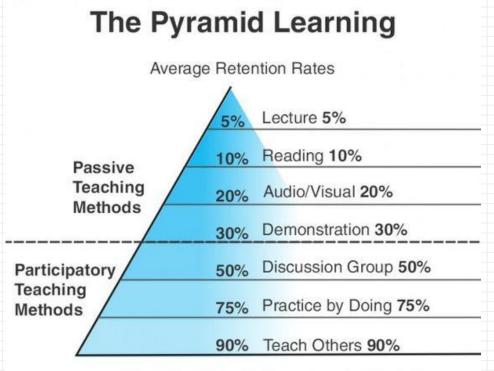


堂騏轉膰



自主學習的內容及步驟

學生主導學習程度越高層次



學生學習的保留率百分比越大

Adapted from National Training Laboratories. Bethel, Maine

Reboot

SALMAN KHAN'S YOUTUBE LESSONS HAVE ALREADY MADE HIM A GEEK CELEBRITY. NOW HE WANTS TO REINVENT HOMEWORK, BANISH CLASSROOM LECTURES—AND

MAYBE SAVE EDUCATION



School

IFTH-CRADERS AT EASTSIDE College Preparatory School in East Palo Alto, Calif., sit at their desks with netbooks. They're in the middle of a math lesson, listening as a teacher explains how to we get rid of the percess to decimals. "If we get rid of the percess to decimals." If we get rid of the percess to decimals. "If we place to move the decimal sign we just have to move the decimal sign the places to the left," the instructor says. Pens scribble across notebooks.

Seven thousand miles away in Accra. Ghana, students at the African School for Excellence are studying logarithms. Their teacher is the same one firing off math tips in California—both groups

of kids are learning by watching online videos. While the screen shows a march of equations and diagrams, the students never actually see the face of the lecturer. There's just a voice, deep, patient and unrehearsed—think NPR host crossed at times the reason of the patient of

purest way of describing the universe!"
The voice belongs to Salman Khan, a
35-year-old hedge-fund manager turned
YouTube professor to millions around
the world. Thanks to his Khan Academy.

Photograph by Jamie Chung for TIME



Before Class

- Watching videos and reading
- Getting familiar with terms and phrases
- Introduction to concepts
- Formative assessment
- Check for understanding



During Class

- Projects, problems, small groups, discussions, labs, creating things, analyzing things
- Formative assessment
- Check for understanding



After Class

 Projects, papers, creating things, reviewing key concepts

- Formative assessment
 - Check for understanding







About





Salman Khan:

Let's use video to reinvent education

TED2011 · 20:27 · Filmed Mar 2011 Subtitles available in 42 languages

View interactive transcript







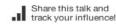












Salman Khan talks about how and why he created the remarkable Khan Academy, a carefully structured series of educational videos offering complete curricula in math and, now, other subjects. He shows the power of interactive exercises, and calls for teachers to consider flipping the traditional classroom script — give students video lectures to watch at home, and do "homework" in the classroom with the teacher available to help.

Playlist

school

Re-imagining

Related playlists & talks

Playlist **MOOCs 101**



Playlist South America!







This talk was presented at an official TED conference, and was featured by our editors on the home page.





Student watch video to pre-learn

Teacher follow-up responses

Active learning / e-Learning / Higher order activity

20 mins

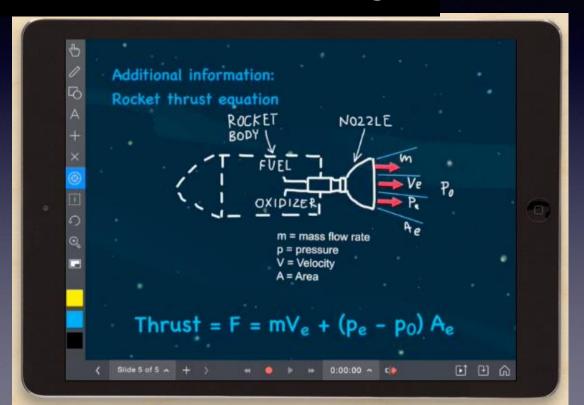
10 mins

30 mins

Flipping Classroom Framework



Pre-Learn with Scaffolding















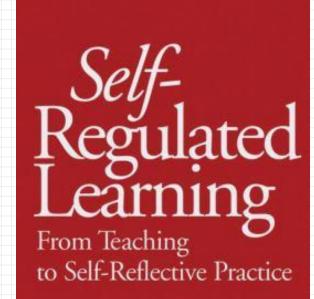
Create a WiX site!



主頁 關於我們 申請會員 過往活動 有用連結 聯絡我們



齊莫曼:自主學習專家



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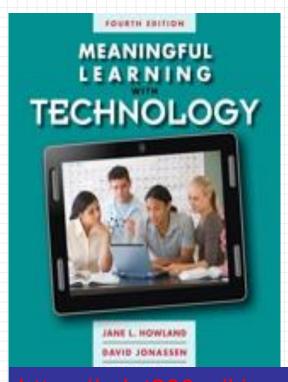
WHAT IS MEANINGFUL LEARNING? (Jonassen, D, et al, 2008)

『有意義的學習』

- 以學生為中心的『主動』、『建構』、『合作』、『真 實』、『意圖』精神
- 探討在『探究』、『實驗』、『設計』、『溝通』、『建立社群與協作』、『寫作』、『建模』、『視覺化』等學習型態與活動上,科技的導入與應用、評量學習等實例,同時也提醒教師思考相關問題。

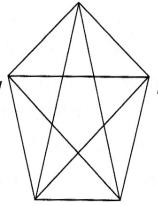
Meaningful Learning with Technology

By Jane L. Howland, David H. Jonassen, Rose M. Marra



ActiveManipulative/Observant

Intentional
Goal directed/Regulatory



Constructive
Articulative/Reflective

Authentic
Complex/Contextualized

Cooperative

Collaborative/Conversational

https://edpt200.wikispaces.com/home

資訊科技教育組:www.edb.gov.hk/ited





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IT in Education

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What's New

Date	Title
20/09/2017	"Wise NET" School Recognition Scheme (Application form)
05/09/2017	Cyber Security Competition 2017 - Cyber Security Starts From YOUth (Website)
29 & 30/08/2017	Presentation Slides for the Briefing Seminar on "Information Technology Staffing Support Grant"
16/08/2017	Build a Secure Cyberspace 2017
	"Smart Home, Safe Living" Seminar cum 1-Page Comic Drawing Contest Award Presentation Ceremony
20/07/2017	Information Technology Staffing Support Grant [EDBC No.11/2017]
28/06/2017	Message from the HKCERT: Beware of Petwrap / NotPetya Ransomware Spreading
17/05/2017	Presentation Slides and Notes for the Seminar on Tackling Ransomware for Schools on 17 May 2017
15/05/2017	Tackling Ransomware and the Seminar on Tackling Ransomware for Schools 17 May 2017
05/05/2017	Parent Education "Unite for a Better Internet" Information Kit on e-learning
27/04/2017	e-Learning Fun Fair CHI
11/04/2017	Ruild a Secure Othersnace 2017 "Smart Home, Safe Living" - 1-Page Comic Drawing Contest (Website)

聯絡

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