

資訊科技教育教學法系列：在中學有效應用 免費學習管理系統以促進電子學習 (二)

CAITE, CUHK

Affix your password label here



開始以先

- 課室內設有WiFi (SSID: CAITE708 / Password: _____)
 - 學員可以在課堂中透過自己的手提電話和平板電腦來登入將要介紹的LMS
 - 學員可先安裝以下程式

	Moodle Mobile	Edmodo	Schoology	Google Classroom
Android				
iOS				

課程目標

- 完成課程後，學員可以：
 - 明白在電子學習中應用學習管理系統的機會、特色、優點與限制；
 - 分辨不同學習管理系統的特性並選取合適的學習管理系統使用；
 - 適當地運用學習管理系統的各项功能（例如**管理學習教材**、**為學生功課評分**、**管理學習進度**、**了解學生的學習情況**等），從而提升學與教的質素與效能；及
 - 透過適切的教學法使用學習管理系統以促進電子學習。

CAITE 提供的電郵賬戶

- 課程裡所介紹到的LMS都需使用電郵賬戶註冊登記，CAITE為每位學員預備了兩個電郵賬戶，一個可用於註冊老師賬戶 (lmsXXX.t@caiteonline.net)，另外一個可用於註冊學生賬戶(lmsXXX.s@caiteonline.net)
- 老師亦可以選擇使用自己的個人電郵賬戶在 Edmodo 和 Schoology 進行註冊

	Moodle	Google Classroom	Schoology	Edmodo
老師賬戶	需使用CAITE提供之電郵賬戶註冊登記		可選擇使用個人電郵賬戶或CAITE提供之電郵賬戶註冊登記	
學生賬戶				

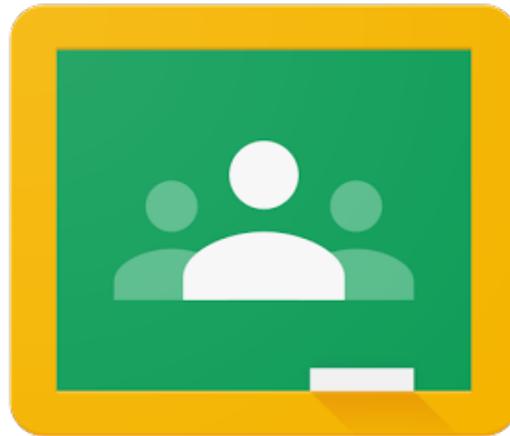
大綱

- 課後作業討論
- Google Classroom 學習管理系統使用介紹
- Schoology 學習管理系統使用介紹
- 教學應用
- 總結

課後作業

- 在第一節課裡, 我們討論了 Moodle 和 Edmodo 的基本操作, 是時候學以致用
- 任務: 在 Edmodo 或 CAITE Moodle 上建立課程
- 要求
 - 課程內容可以是任何學科
 - 課程最少要有一名學生已經加入
 - 1. CAITE 學生帳戶 (lmsXXX.s@caiteonline.net)
 - 必需包括以下元素
 - 2 x 消息發佈 [Post (Edmodo) / Discussion in News Forum (Moodle)]
 - 2 x 多媒體內容 (e.g YouTube video, MP3 files etc)
 - 1 x 測驗 (至少要有5條題目)
 - 1 x Poll (Edmodo) / Choice (Moodle)
 - 1 x 學生功課收集 Assignment
 - 完成後請把以下資料遞交到 RTC LMS Moodle Course Page 內的功課收集
 - Edmodo Group URL / Moodle Course URL
 - Edmodo Group code / Moodle Enrolment Key
 - 導師會以學生身份參與你的網上課程

Google Classroom



建立您的
第一個課程！



歡迎使用 Classroom!

Classroom 可讓您與班上學生交流互動，並輕鬆分享作業、教材和訊息。

Introduction

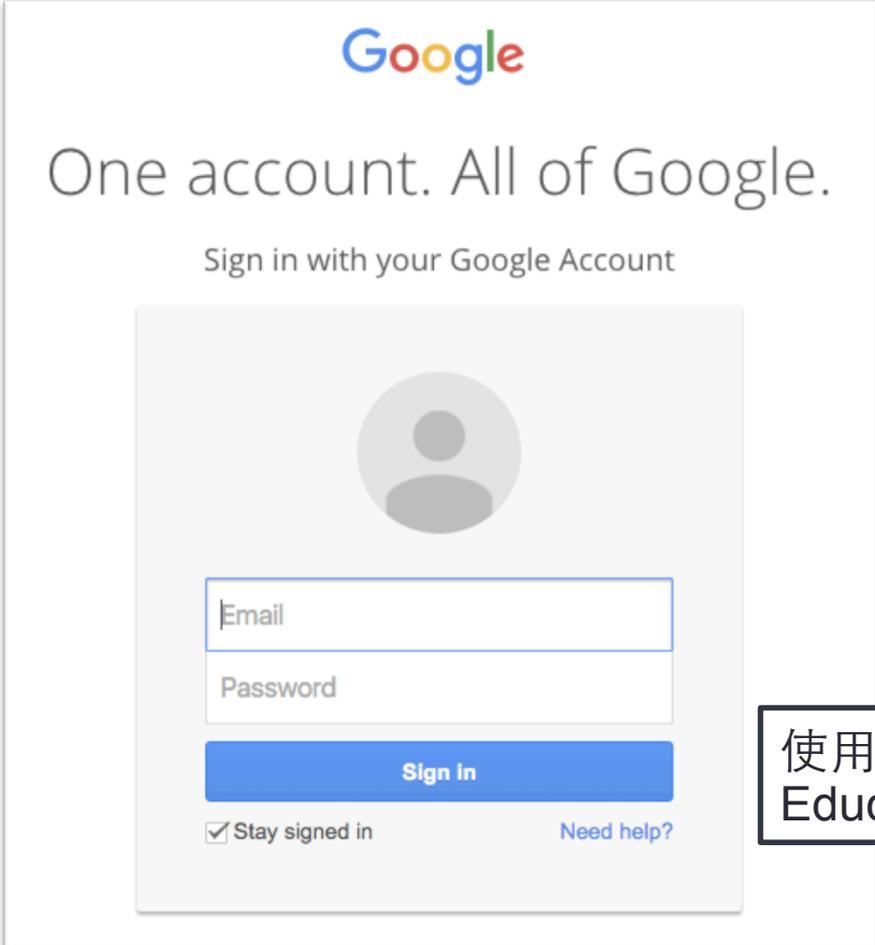
- Google Classroom 並不是一個全功能的 LMS, 很多管理功能也欠奉
- 但 Google Classroom 界面簡單清楚, 容易使用
- 在 Google Classroom 裡上載的檔案都是儲存在 Google Drive 內, 並且透過 Google Drive 分享給其他老師和學生
- 要使用 Google Classroom, 學校必須先成功申請使用 Google Apps for Education

概覽

	Google Classroom 功能 / 主要內容	
帳戶管理 – 老師和學生帳戶管理	不用登記，Google Apps for Education 內建功能	
操作介面簡介	課程主頁	Google 我的帳戶
建立網上教室	課程	
加入其他參與者 (學生，老師)	課程代碼	
管理學習教材及發佈消息	公告 訊息	教材
收集學生功課及評分	作業	
管理學習進度		
了解和評估學生的學習情況		
互動和協作功能	問題	
其他功能		
應用程式界面體驗	Push Notification Updates	

操作介面簡介

<http://classroom.google.com>



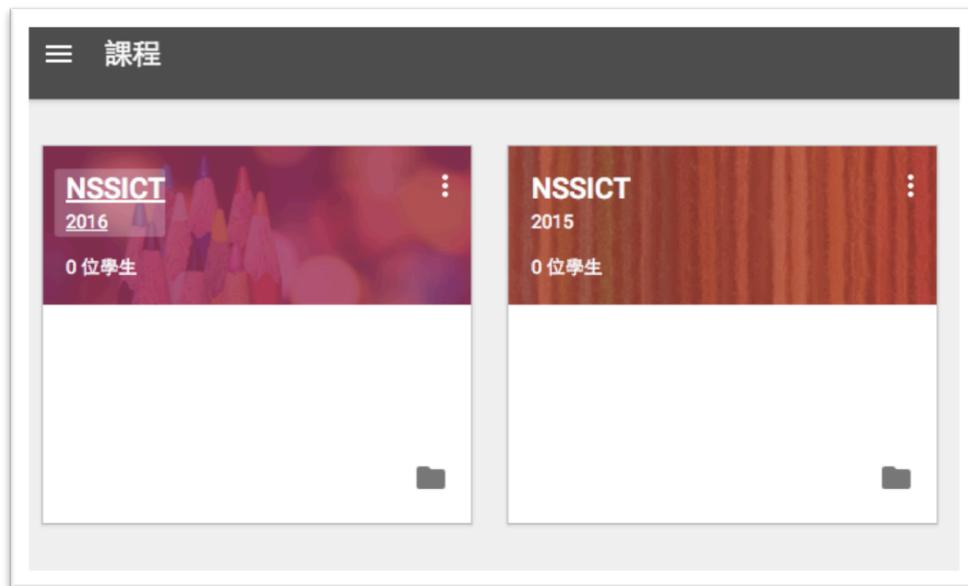
The screenshot shows the Google sign-in interface. At the top is the Google logo. Below it is the text "One account. All of Google." followed by "Sign in with your Google Account". In the center is a grey box containing a circular profile picture placeholder. Below the profile picture are two input fields: "Email" and "Password". A blue "Sign in" button is positioned below the password field. At the bottom left of the sign-in box is a checked checkbox labeled "Stay signed in", and at the bottom right is a link labeled "Need help?".

使用 Google Apps For
Education 帳戶登入

操作介面簡介



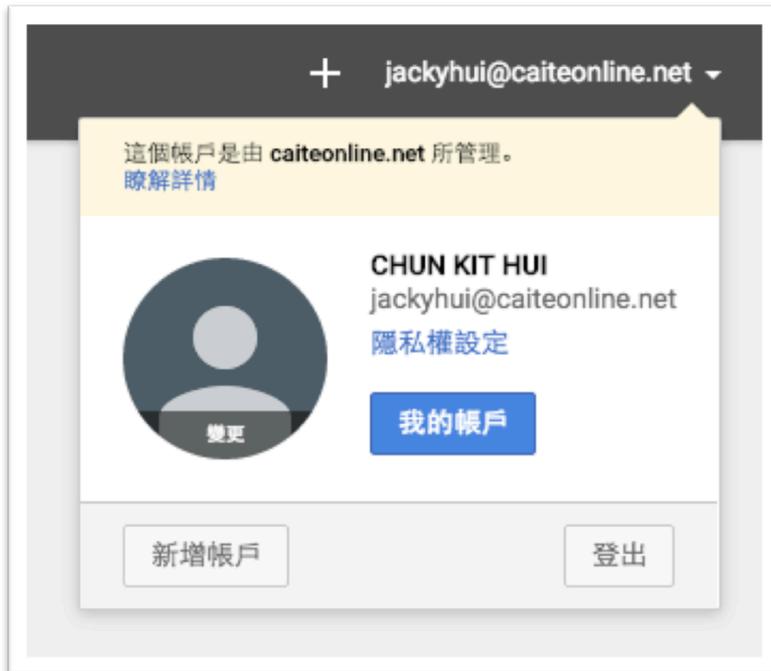
未有建立課程



先前已建立課程

Google 我的帳戶

- 如果要更改戶口設定（e.g 語言），可直接到 Google 我的帳戶作出更改



建立網上課程

- 可使用建立課程



A screenshot of a form titled "建立課程" (Create Course). The form has two input fields: "課程名稱" (Course Name) and "單元" (Unit). Below the input fields, there are two buttons: "取消" (Cancel) and "建立" (Create).

加入其他參與者 (學生，老師)

- 可輕易使用課程代碼讓學生加入課程



The image shows a screenshot of a course management interface. At the top, there is a dark red navigation bar with three tabs: "訊息串" (Messages), "學生" (Students), and "關於" (About). The "學生" tab is selected. Below the navigation bar, there is a blue "邀請" (Invite) button and a "動作" (Action) dropdown menu. To the right, there is a "課程代碼" (Course Code) field with the value "6rmtjs" and a dropdown arrow. A large grey arrow points from the "學生" tab to the "課程代碼" field. Another large grey arrow points from the "課程代碼" field to a modal window. The modal window has a white background and a dark grey border. It contains the text "輸入課程代碼即可加入課程。" (Enter course code to join course.) above a text input field. Below the input field are two buttons: "取消" (Cancel) and "加入" (Join).

訊息串 學生 關於

邀請 動作 ▾

學生 發佈訊息及留言 ▾ 課程代碼 6rmtjs ▾

您可以邀請學生，或是讓學生使用以下代碼加入課程：**6rmtjs**

輸入課程代碼即可加入課程。

取消 加入

加入其他參與者 (學生，老師)

訊息串 學生 關於


CHUN KIT HUI
老師

 jackyhui@caiteonline....

邀請老師

標題 (選填)

課程說明 (選填)

教室 上課教室 (選填)

Google 雲端硬碟資料夾  RTC LMS

日曆  在 Classroom 中查看

 在 Google 日曆中開啟

管理學習教材及發佈消息

- 在 Google Classroom 裡, 所有檔案及教材都會自動存放於 Google Drive
- Google Classroom 會在 Google Drive 設立一個專用資料夾



管理學習教材及發佈消息

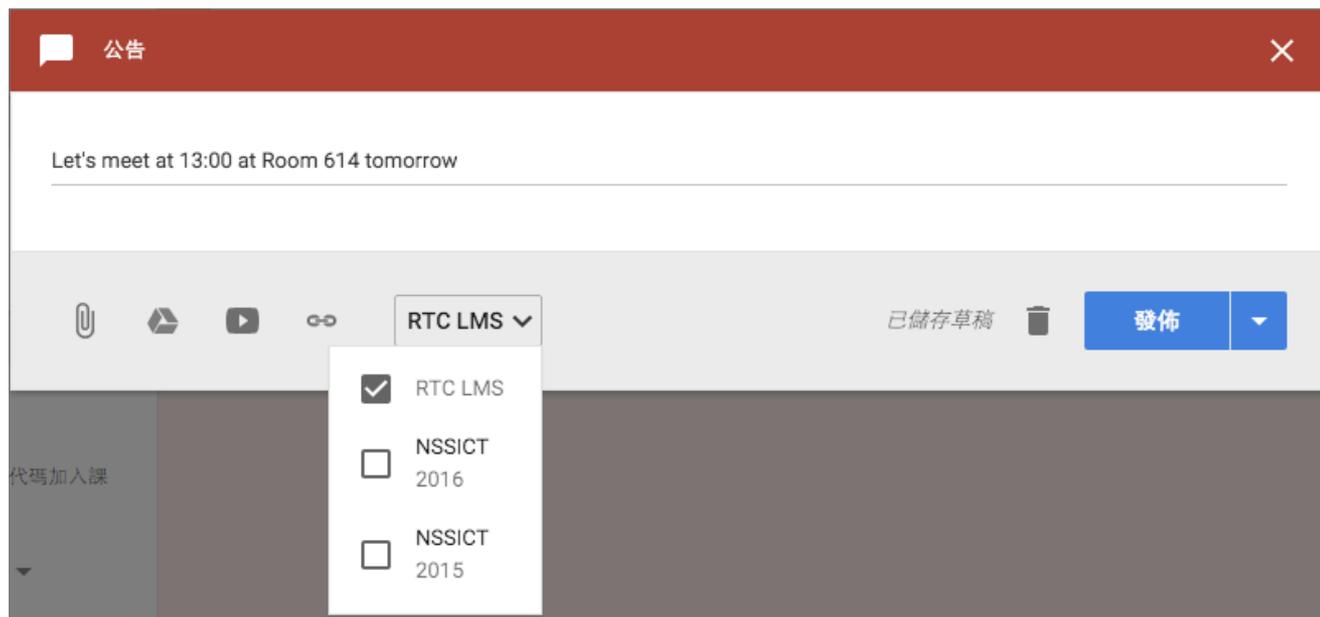
- 老師可以直接透過 Google Drive 分享學習教材
- 老師也可以透過 Google Classroom 上載教學資源



The image shows a screenshot of a Google Classroom post creation interface. At the top, there is a text input field with the placeholder text "標題" (Title). Below the input field is a horizontal red line. At the bottom of the interface, there is a row of icons: a paperclip icon for attachments, a folder icon for Google Drive, a play button icon for YouTube, and a link icon. To the right of these icons are two buttons: a white button labeled "取消" (Cancel) and a blue button labeled "發佈" (Post).

管理學習教材及發佈消息

- 在 Google Classroom 內可以發佈公告
- 學生可以在訊息串(Stream)中看到老師所發佈的公告
- 老師可以在發布公告時附加檔案及其他連結
- 老師仍可以同時把信息發佈到多個課程



管理學習教材及發佈消息

- 老師可以設定學生的權限，決定是否讓學生也可以發佈消息

The screenshot displays a course management interface with a dark red header containing the tabs "訊息串", "學生", and "關於". Below the header, there is a blue "邀請" button and a "動作" dropdown menu. A dropdown menu is open, showing the current selection "學生可以發佈訊息及留言" and two other options: "學生只能留言" and "只有老師可以發佈訊息或留言". The "課程代碼 6rmtjs" is visible on the right. A faint instruction "您可以邀請學生，或是讓學生使用以" is visible in the background.

訊息串 學生 關於

邀請 動作 ▾

學生可以發佈訊息及留言 ▾

課程代碼 6rmtjs ▾

✓ 學生可以發佈訊息及留言

學生只能留言

只有老師可以發佈訊息或留言

您可以邀請學生，或是讓學生使用以

收集學生功課及評分

- 發佈作業跟發佈消息差不多

The screenshot shows the '作業' (Assignment) creation interface. At the top, there is a red header bar with a clipboard icon and the text '作業' and a close button 'X'. Below this, the title 'Assignment 1' is entered in a text field. The description 'Please write an essay of 1000 words about photosynthesis' is entered in another text field. The due date is set to '繳交期限 11月26日' with a dropdown arrow. At the bottom, there is a toolbar with icons for attachments, gallery, video, and links. A dropdown menu is open for 'RTC LMS', showing three options: 'RTC LMS' (checked), 'NSSICT 2016', and 'NSSICT 2015'. To the right of the toolbar, there is a status indicator '已儲存草稿' (Draft saved), a trash icon, and a blue '出作業' (Publish) button with a dropdown arrow.

A vertical sidebar of five red circular buttons with white icons and labels. From top to bottom: 1. '重複使用訊息' (Reuse message) with a refresh icon. 2. '建立問題' (Create question) with a question mark icon. 3. '建立作業' (Create assignment) with a clipboard icon. 4. '建立公告' (Create announcement) with a speech bubble icon. 5. A plus sign icon for additional actions.

收集學生功課及評分

- 學生登入後可以見到功課收集和公告

作業 CHUN KIT HUI 下午5:00

未完成 繳交期限： 11月26日

Assignment 1

開啟

Please write an essay of 1000 words about photosynthesis



新增課程留言...

公告 CHUN KIT HUI 下午4:57

Let's meet at 13:00 at Room 614 tomorrow



新增課程留言...

收集學生功課及評分

- 學生可以從電腦或Google Drive上載檔案
- 學生也可以直接使用Google Docs / Slides / Sheets 建立文件並遞交功課

您的作業

您的老師可以檢視及編輯您所新增或建立的檔案

新增

建立



Google 雲端硬碟



連結



檔案

您的作業

您的老師可以檢視及編輯您所新增或建立的檔案

新增

建立



新增私人



文件



簡報



試算表



繪圖

收集學生功課及評分

- 老師可以查看學生功課及作出評分

The screenshot displays a mobile application interface for managing student assignments. At the top, there is a navigation bar with a back arrow on the left and two tabs: "作業說明" (Assignment Description) and "學生的作業" (Student's Assignment), with the latter being the active tab. Below the navigation bar, a secondary bar contains a "發還" (Submit) button, an envelope icon, and a score indicator "100分" with a dropdown arrow. The main content area is split into two panels. The left panel, with a light pink background, shows a list of submission statuses. It includes a "完成" (Completed) status with a checkmark and a student entry for "LO SI CHAN" with a score of "80/100" and the status "尚未發還" (Not yet submitted). The right panel, with a white background, is titled "Assignment 1" and shows submission statistics: "1" completed and "0" not completed. Below this, a "完成" (Completed) dropdown is visible. A submission card for "LO SI CHAN" is shown, featuring a placeholder image and the text "Assignment 1 - LO SI ..." with the status "已完成" (Completed) in green.

互動和協作功能 – 問題

- 老師亦可以透過訊息串發佈問題，讓同學之間互相討論

The screenshot shows the Google Classroom question creation interface. At the top, there is a red header with a question mark icon and the text "問題". Below this, the question text reads "What do you think about Google Classroom? Is it a good LMS?". There are two text input fields for "Description about the question" and "Teachers may input anything about this question". A dropdown menu for "繳交期限" (Due date) is set to "11月17日". At the bottom, there is a toolbar with icons for attachments, a video icon, a link icon, and the text "RTC LMS". On the right side, a settings overlay titled "學生可以..." (Students can...) is visible, containing two options: "查看彼此的答案並回覆對方" (View each other's answers and reply to each other) which is checked, and "編輯自己的答案" (Edit their own answers) which is unchecked. The overlay also has "取消" (Cancel) and "提問" (Post) buttons. At the bottom right of the main interface, there is a "已儲存草稿" (Draft saved) indicator, a trash icon, and a "提問" (Post) button with a dropdown arrow.

問題

What do you think about Google Classroom? Is it a good LMS?

Description about the question

Teachers may input anything about this question

繳交期限 11月17日

學生可以...

查看彼此的答案並回覆對方

編輯自己的答案

取消 提問

已儲存草稿 提問

Schoology

schoology[®]
learn. together.

Introduction

- Schoology 是一個比較全面的 LMS，既有很多不同的內容編輯和互動功能，亦有像 Facebook 的社交功能
- 功能包括
 - 課程管理
 - 資源管理
 - 社交功能
 - 測驗和課業收集 (支援Rubric)
 - 討論區
 - 徽章 (Badges)
 - Gradebook 和 進度監控
 - 簡單易用的手機程式
- 有 Basic 版本 (Free) and Enterprise 版 (付費)

概覽

	Schoology 功能 / 主要內容	
帳戶管理 – 老師和學生帳戶管理	以電郵帳戶登記	
操作介面簡介	Teacher's Home	User Profile
建立網上教室	Course and Sections	
加入其他參與者 (學生, 老師)	Access Code	
管理學習教材及發佈消息	Resources Materials Page	Folder Media Album Updates
收集學生功課及評分	Assignment	
管理學習進度	Analytics Gradebook	Student Progress
了解和評估學生的學習情況	Quiz	
互動和協作功能	Poll	Discussion
其他功能	Badges	Copy to other Courses
應用程式介面體驗	Push Notification Updates	Resources Upload

<http://www.schoology.com/>

© schoology Tour Stories Connect Resources About Log In **Get Started**

Individualized instruction
made possible by Schoology

Schoology /**skoo**-luh-jee/
The only learning management system (LMS) that connects all the people,
content, and systems that fuel education.

K-12 Higher Ed Corporate

註冊免費帳戶



Basic

For Instructors, Students, Parents, and Advisors
Build and manage courses and content, grade homework,
collaborate with peers, and more.

[Create a Free Account](#)

Have an Access Code? [Click Here.](#)



Sign up for Schoology

[Instructor](#) [Student](#)

[Parent](#)

Sign up for Schoology [Back](#)

Receive periodic Schoology updates

[Register](#) By clicking Register, you agree to our [Privacy Policy & Terms](#)

操作介面簡介 – Teacher's Home

- 登入後首先看到的是 Home，在裏面可以找到有關課程的最新消息

The screenshot shows the Schoology Teacher's Home interface. The top navigation bar includes the Schoology logo, a 'Basic' tab, a search icon, and menu items for 'Home', 'Courses', 'Groups', and 'Resources'. The user's name 'TEACHER CAITE' is visible in the top right corner.

On the left side, there is a sidebar with various tools and options: 'Recent Activity', 'Calendar', 'Messages', 'People', 'App Center', 'Verify Your Account', 'Select Your School', and 'Invite Colleagues'. A callout box labeled '個人工具列喂' (Personal tool list) points to this sidebar.

The main content area is titled 'Recent Activity' and features a 'Post:' section with options for 'Update', 'Assignment', 'Event', and 'More'. Below this, there is a welcome message for 'TEACHER CAITE!' with links for 'Start the tour', 'Read our company Blog', and 'Help Guide'. A callout box labeled '課程與群組有關的選單' (Menu related to courses and groups) points to the 'Courses' and 'Groups' menu items in the top navigation bar.

Below the welcome message, there is a 'Customize your profile' section with a profile picture placeholder and options to 'Upload a photo' and 'Edit your profile'. A callout box labeled '課程的新消息' (New messages for courses) points to the 'Recent Activity' section.

On the right side, there is an 'Upcoming' section with a 'Calendar' link, showing dates for 'Wednesday, November 11, 2015' and 'Monday, November 30, 2015', along with events like 'After School Quiz 4:00 pm' and 'Review on using Schoology 11:59 pm'. Below this is a 'Suggested Groups' section with links to 'Schoology Educators' (2029 Members), 'Flipped Classrooms' (18340 Members), and 'Blended Learning' (13210 Members). A callout box labeled '系統通知和內部信息拜拜' (System notifications and internal information) points to the 'Messages' icon in the top right corner.

操作介面簡介 - Profile

- Schoology 的設計包括了社交網絡的功能, Teacher Profile 就變成十分重要, 尤其是老師可以和其他老師進行交流, 組成專業學習社群

The screenshot shows the Schoology interface for a teacher's profile. At the top, the navigation bar includes the Schoology logo, a 'Basic' tab, a search icon, and links for Home, Courses, Groups, and Resources. The user's name 'TEACHER CAITE' is displayed in the top right corner.

The profile page features a profile picture of a cartoon character with glasses and a red shirt. Below the picture is a section for 'Updates' with links for 'Info' and 'Blog'. The main content area is titled 'TEACHER CAITE' and includes an 'Edit' button. A rich text editor is visible, with a toolbar containing options for bold (B), italic (I), underline (U), bulleted list, numbered list, link, unlink, font color (ABC), font size (12), background color, and text color (Tx). Below the editor are icons for attachments, links, and a 'Post' button. The text 'There are no posts' is centered in the main area.

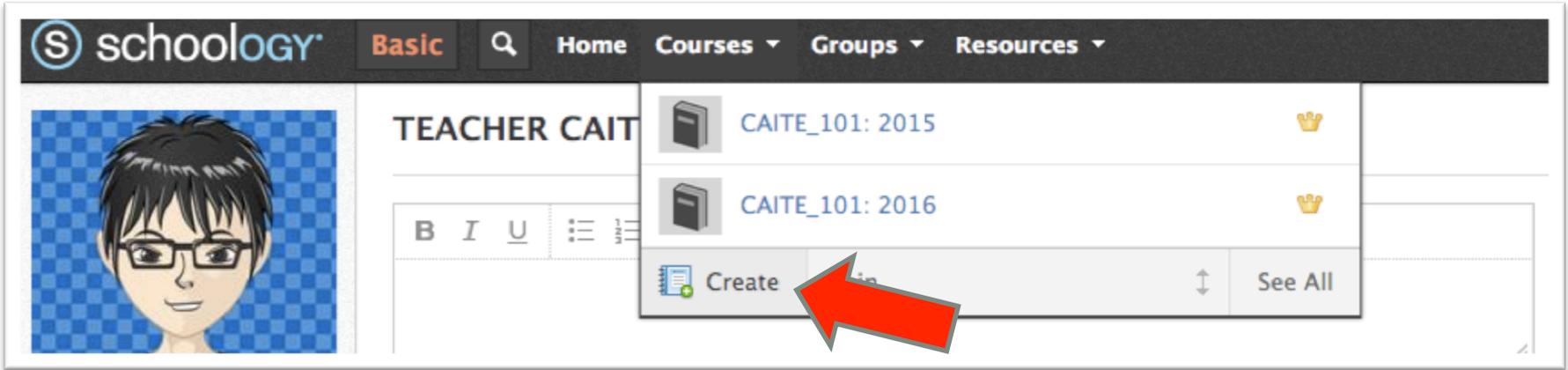
On the right side, there is a yellow box titled 'Fill out your profile' with a close button (X). It contains a checklist: 'Add your photo' (checked with a green checkmark), 'Write a short bio', and 'Add Activities & Interests'. Below this is a summary table:

0	2	1
Posts	Content	Students

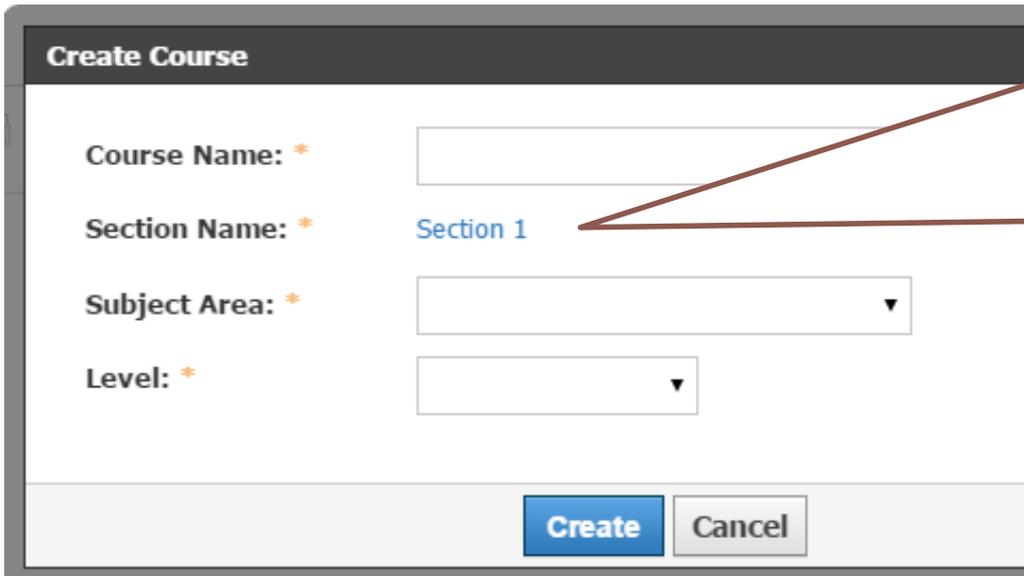
Below the table is a 'Courses' section with two entries:

- CAITE_101: 2015 (with a crown icon)
- CAITE_101: 2016 (with a crown icon)

建立網上教室 – Course



The screenshot shows the Schoology user interface. At the top, there is a navigation bar with the Schoology logo, a search icon, and menu items for 'Home', 'Courses', 'Groups', and 'Resources'. Below the navigation bar, the user's profile is visible, including a profile picture of a person with glasses and the name 'TEACHER CAIT'. A dropdown menu is open, showing two existing courses: 'CAITE_101: 2015' and 'CAITE_101: 2016', each with a crown icon. At the bottom of the dropdown, there is a 'Create' button with a plus icon, which is highlighted by a red arrow. To the right of the 'Create' button is a 'See All' link.



The screenshot shows the 'Create Course' form. The form has a dark header with the text 'Create Course'. Below the header, there are four input fields:

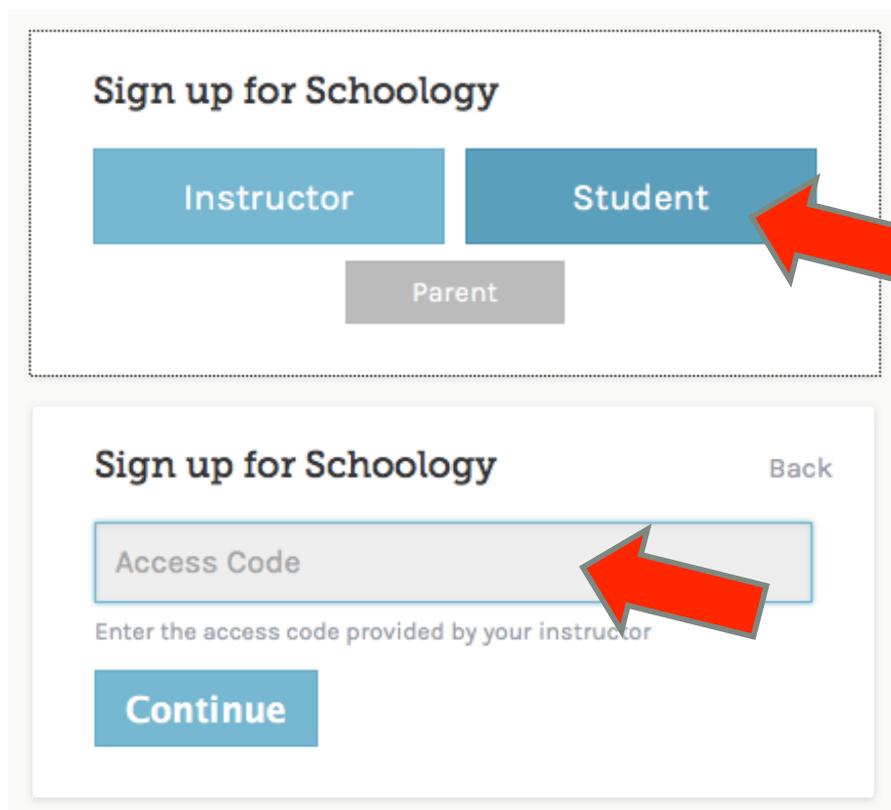
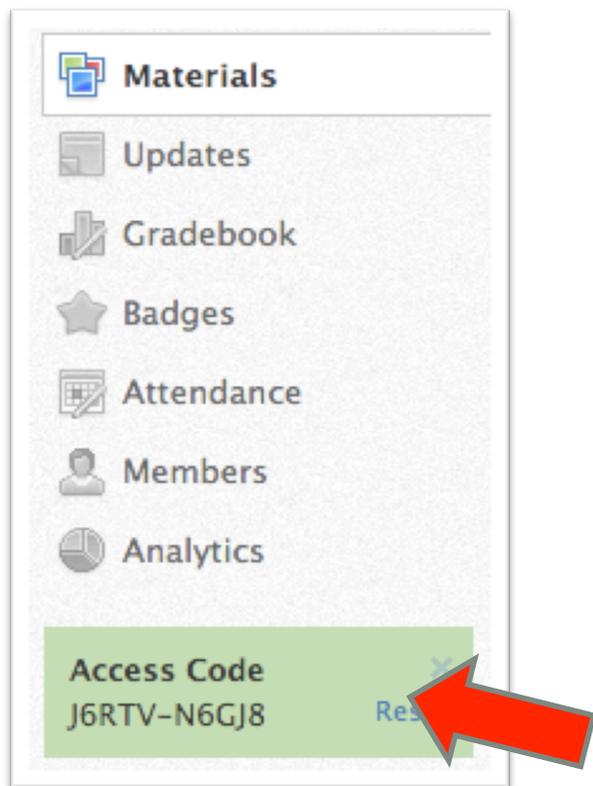
- Course Name:** * [Empty text box]
- Section Name:** * Section 1
- Subject Area:** * [Dropdown menu]
- Level:** * [Dropdown menu]

At the bottom of the form, there are two buttons: 'Create' (in a blue box) and 'Cancel' (in a grey box).

- 在 Basic Edition 裡，Section 和 Section 之間沒有關係
- 所以一個課程是由課程名稱 (Course Name) 和 Section Name 組成
- 例子：
 - 中一中文 + 1A
 - 中一中文 + 1B

加入其他參與者 (學生，老師)

- 課程設立後，可以在左下方找到 Access Code
- 學生可以透過 Access Code 直接開設戶口和參與課程



註冊免費帳戶 – 注意事項

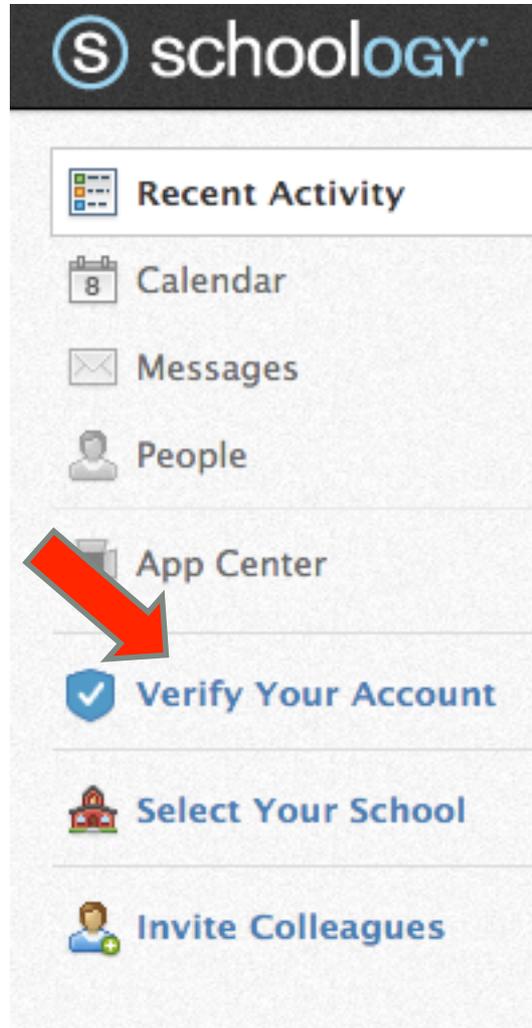
- Schoology 設立了一套驗證制度，如果參與課程的學生年齡小於13歲，則開設課程的老師必需驗證並核實身份，否則這些學生便不能加入到課程
- 驗證程序需時大約兩個工作天，老師需要上載個人的教師證（附相片）或 Photo ID

! As part of an ongoing process to ensure the safety of students using our platform, Schoology requires instructors teaching students under the age of 13 to verify their identities. ✕

Verify Your Account

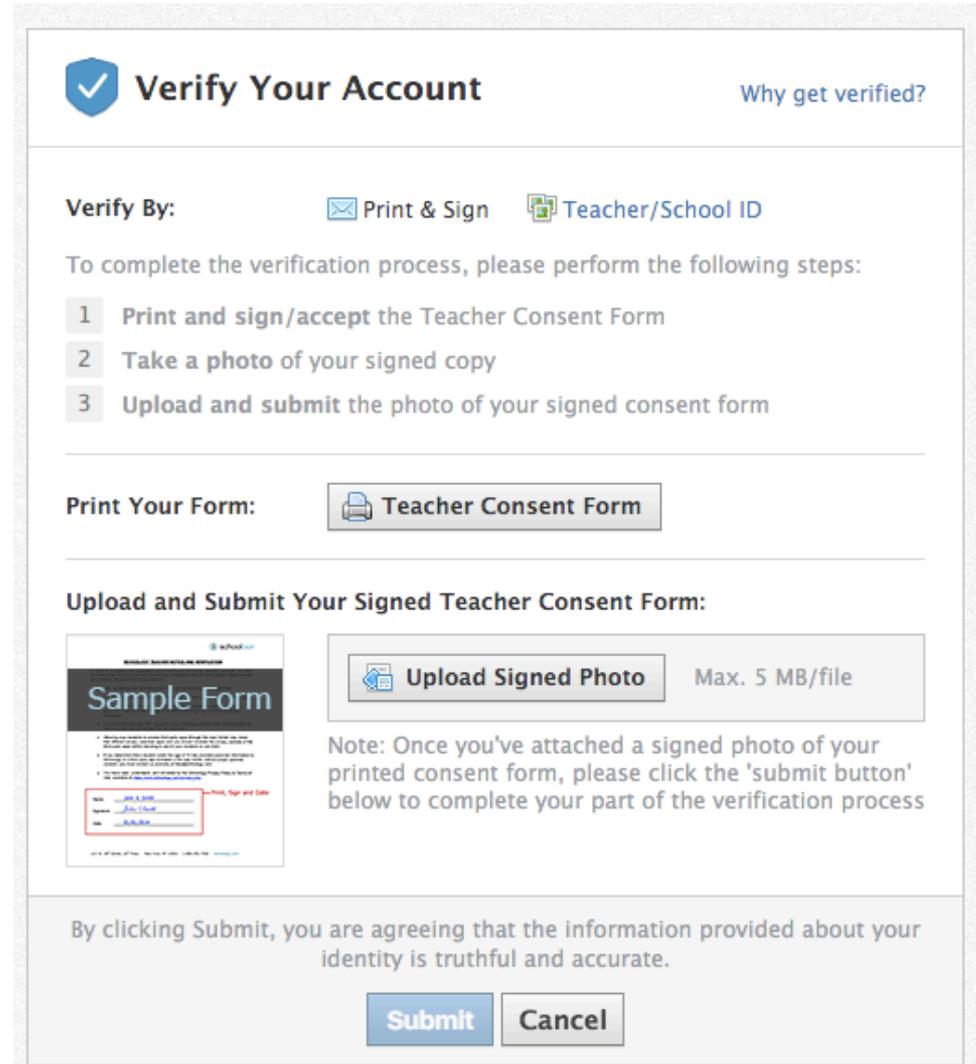
[Why get verified?](#)

註冊免費帳戶 – 注意事項



Schoology

- Recent Activity
- Calendar
- Messages
- People
- App Center
- Verify Your Account**
- Select Your School
- Invite Colleagues



Verify Your Account [Why get verified?](#)

Verify By: [Print & Sign](#) [Teacher/School ID](#)

To complete the verification process, please perform the following steps:

- 1 Print and sign/accept the Teacher Consent Form
- 2 Take a photo of your signed copy
- 3 Upload and submit the photo of your signed consent form

Print Your Form: [Teacher Consent Form](#)

Upload and Submit Your Signed Teacher Consent Form:

[Upload Signed Photo](#) Max. 5 MB/file

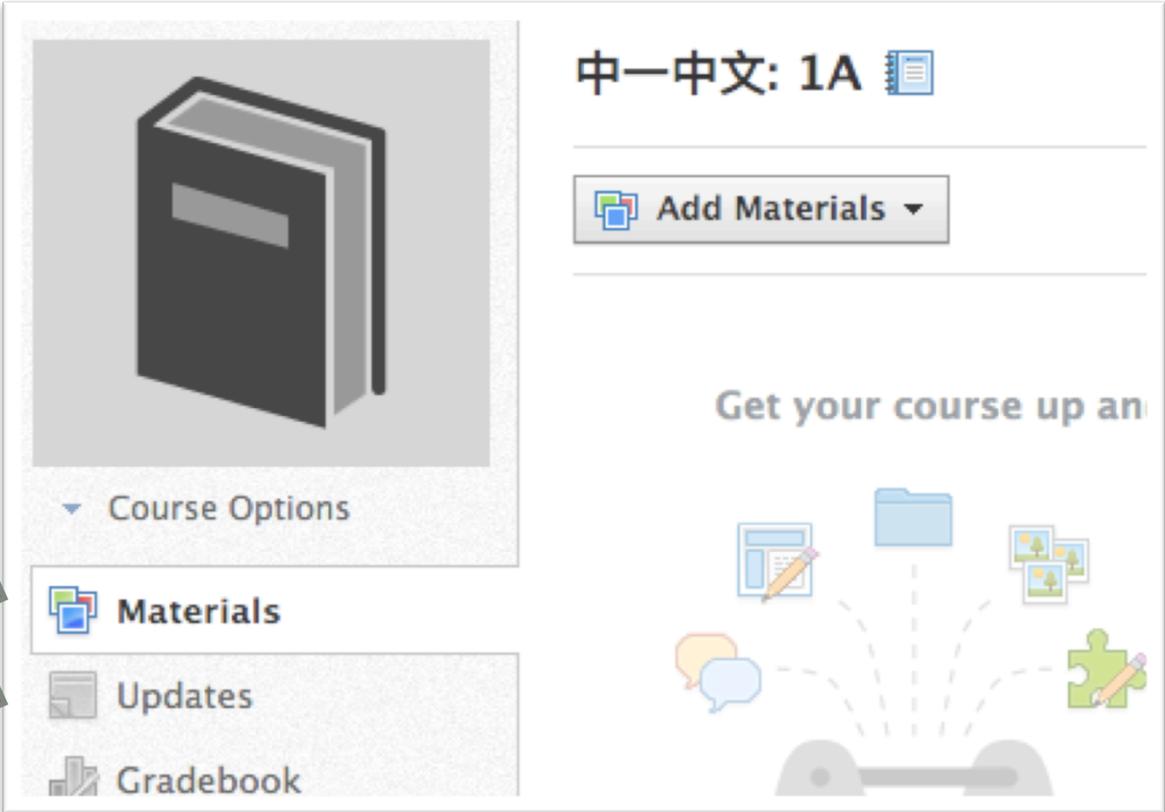
Note: Once you've attached a signed photo of your printed consent form, please click the 'submit button' below to complete your part of the verification process

By clicking Submit, you are agreeing that the information provided about your identity is truthful and accurate.

[Submit](#) [Cancel](#)

管理學習教材及發佈消息

- Schoology 提供了很多工具讓老師可以輕鬆管理學習資源
- 其中最重要的是 Materials 和 Updates



中一中文: 1A

Add Materials

Get your course up an

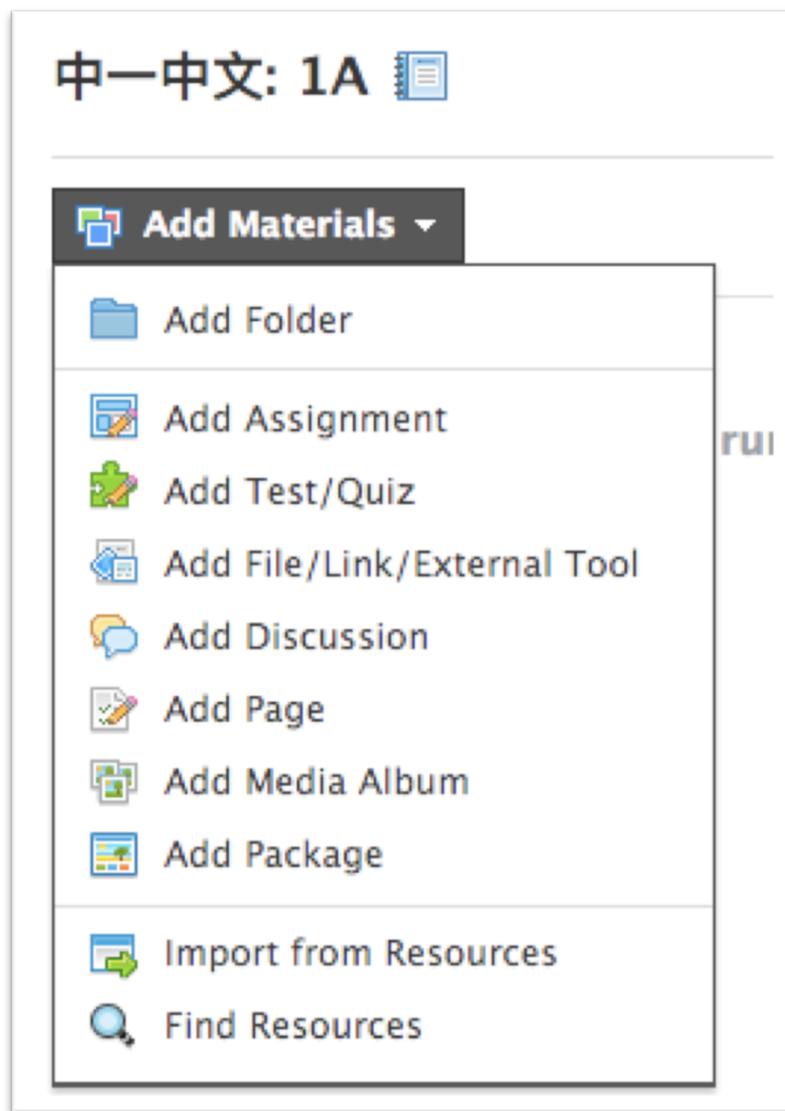
Course Options

Materials

Updates

Gradebook

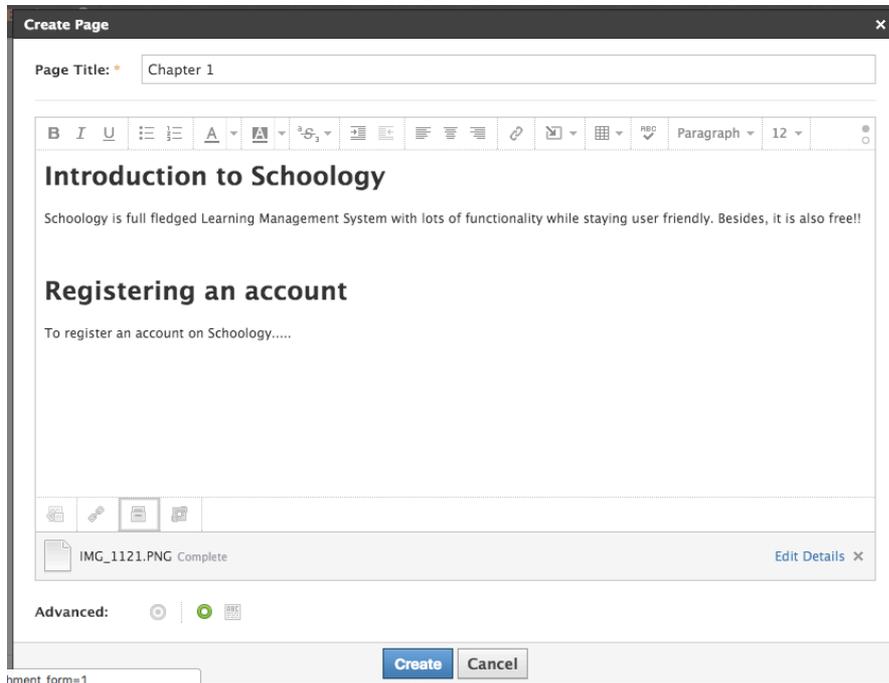
管理學習教材及發佈消息 - Materials



- 在 Materials 裡老師可以上載不同的學習資源，亦可以加入測驗
 - Folder - 組織學習資源和活動
 - Assignment - 收集功課
 - Test / Quiz - 測驗
 - Discussion - 討論區
 - Page - 靜態的網頁內容

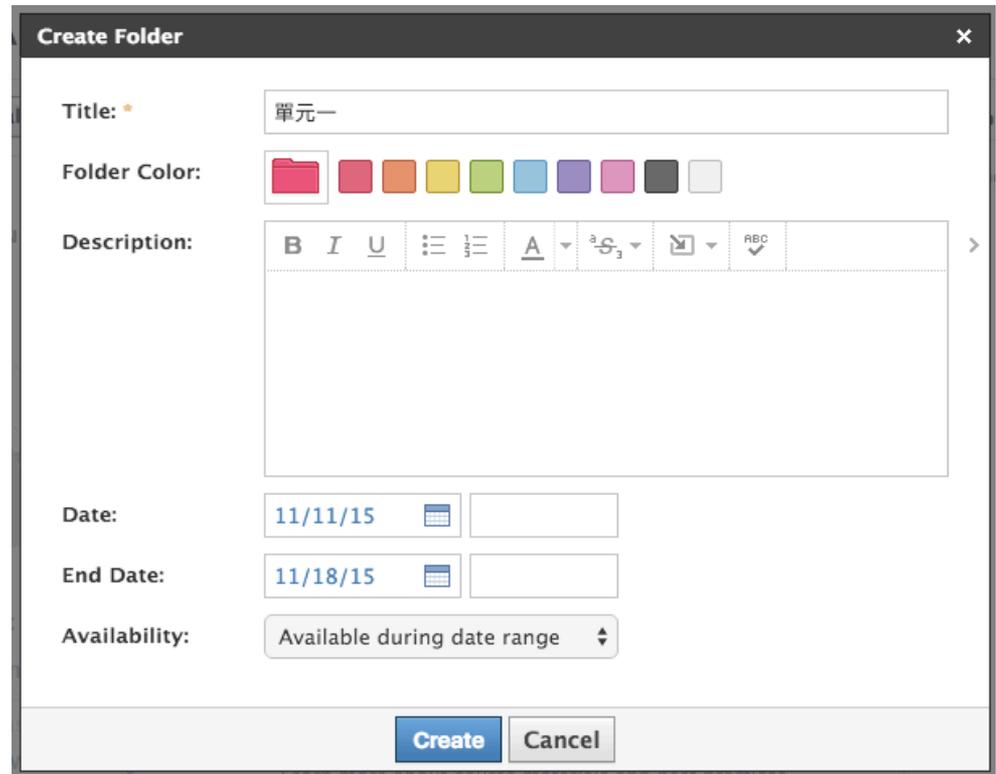
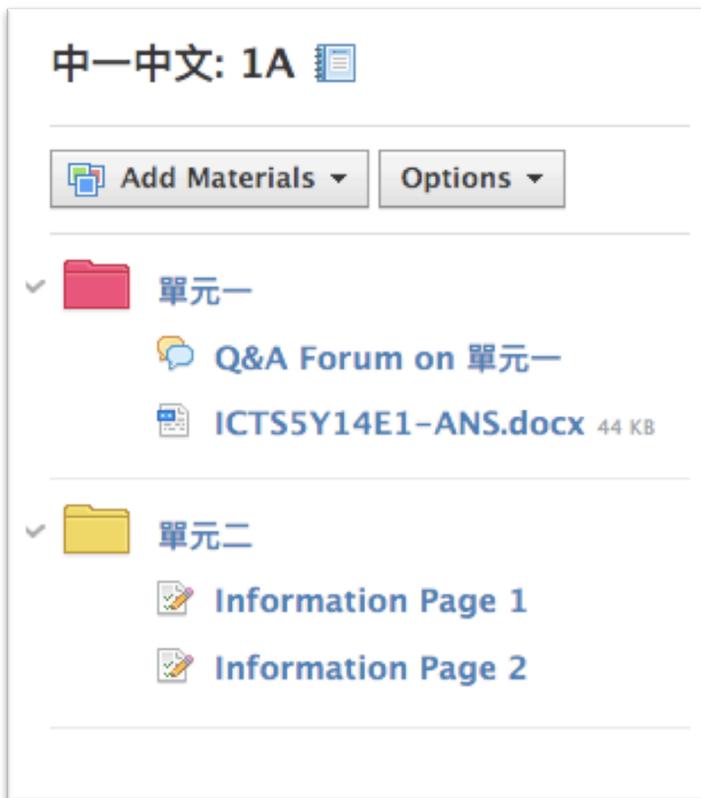
管理學習教材及發佈消息 - Page

- Page 是一些靜態的網頁內容
- 老師可以透過內建的 Rich Text Editor 直接在 Schoology 裡建立內容
- Page 亦可以包含多媒體內容黃檔案附件



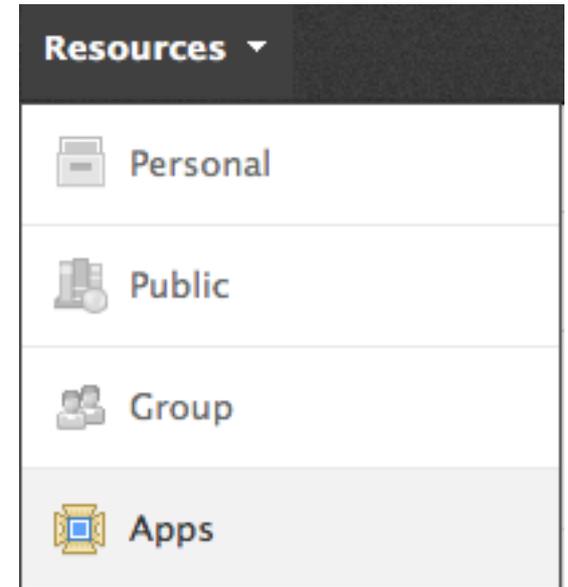
管理學習教材及發佈消息 - Folder

- Folder 可以有系統地把學習資源和活動整理
- 每一個 Folder 都有獨立的設定



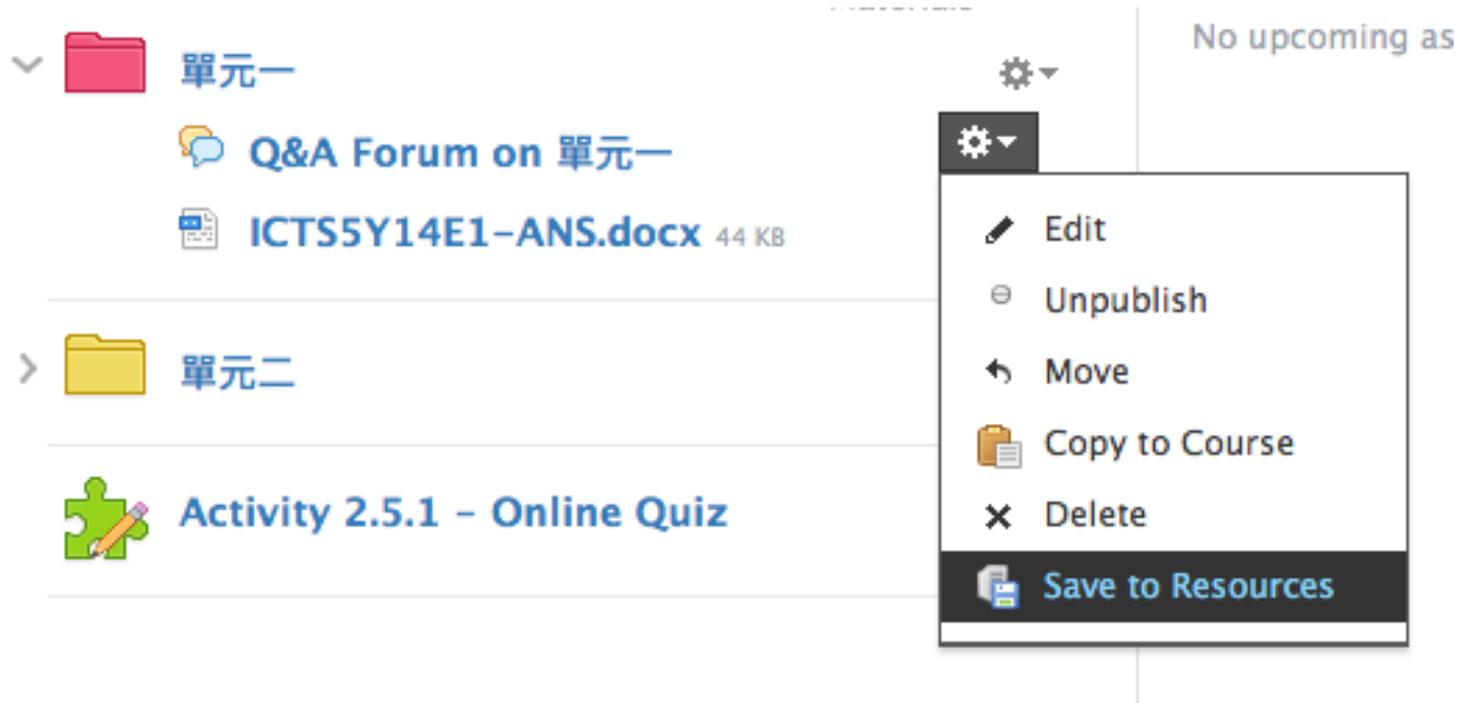
管理學習教材及發佈消息 - Resources

- Resources 就是一個獨立於課程以外的資源庫
- Resources 分為四個部份
 - Personal – 個人資源庫
 - Public - 在 Schoology 裡公開的資源
 - Group – 在用戶所屬群組間所分享的資源
 - Apps – 來自第三方 Apps 的資源 (e.g. Google Drive)



管理學習教材及發佈消息 - Resources

- Personal – 個人資源庫
 - 個人資源庫可包括學習資源及活動
 - 老師可從任何課程中把活動 Copy 到個人資源庫中



The screenshot displays a course management interface with a list of resources. A context menu is open over the resource 'ICTS5Y14E1-ANS.docx'. The menu options are:

- Edit
- Unpublish
- Move
- Copy to Course
- Delete
- Save to Resources

The resource list includes:

- 單元一
 - Q&A Forum on 單元一
 - ICTS5Y14E1-ANS.docx 44 KB
- 單元二
- Activity 2.5.1 - Online Quiz

The text 'No upcoming as' is visible in the top right corner of the interface.

管理學習教材及發佈消息 - Resources

- Public - 在 Schoology 裡公開的資源
 - Schoology 平台有很多老師把自己的教學資源公開與人分享



Public Resources

Find resources that other Schoology Educators have made public



▼ Subject ▼ Resource Type ▼ Level ▼ File Format ▼ Highest Rated



Schoology Code of Conduct.doc

This is a Code of Conduct for students using Schoology. Credit for the basis of this document goes to the Teacher Rollout Resources found on Edmodo at <http://help.edmodo.com/teacher-rollout-resources/>

★★★★★ 104 ratings · Added by [Mrs. Keith](#) · Sep 14, 2012 · 3815 Downloads

School Culture and Practices

Technology and Engineering

Computers

Internet

Support



Grammar Lessons

This is a series of about 20 grammar lessons I organized, meant to be little "five-minute" grammar lessons to start out class once a week. I use them with my sophomore Composition and Literature class, with the purpose of helping them review isolated grammar rules which they should already know. The exercises and wording of some of the rules are borrowed from multiple educational resources. Let me know if these are helpful to you!

★★★★★ 70 ratings · Added by [Erin Laabs](#) · Apr 24, 2013 · 3380 Downloads

English / Language Arts

Writing

Grammar and Mechanics



管理學習教材及發佈消息 - Resources

- Apps – 來自第三方 Apps 的資源 (e.g. Google Drive)
 - 可直接從其他來源匯入檔案和資源

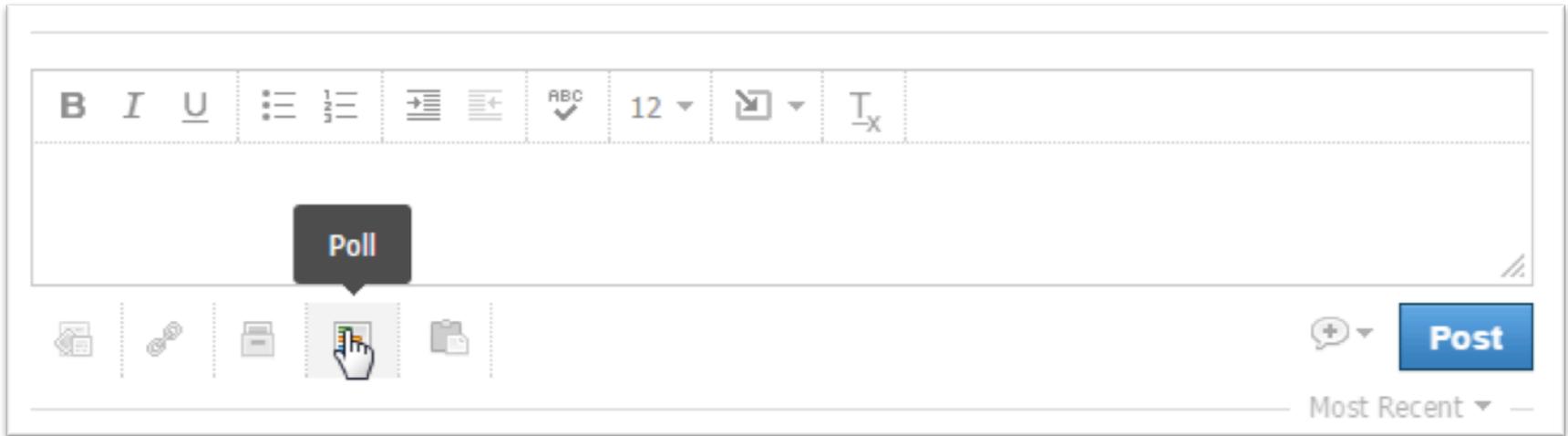


The screenshot displays a user interface for managing educational resources. On the left, a sidebar titled "My Resource Apps" lists several applications: Vimeo, YouTube, Microsoft OneDrive, Khan Academy (highlighted), Evernote, Google Drive, and Dropbox. On the right, the Khan Academy logo is visible at the top, followed by a list of resource titles:

- [A beginner's guide to Native American art after 1600](#)
- [Integrating our content in your curriculum \(K-12 math\)](#)
- [Islamic Middle East](#)
The term Islamic is used here to define the art and material culture of those lands where the dominant religion is Islam, the religion revealed to the prophet Muhammad in seventh century Arabia.
- [Later Zhao](#)

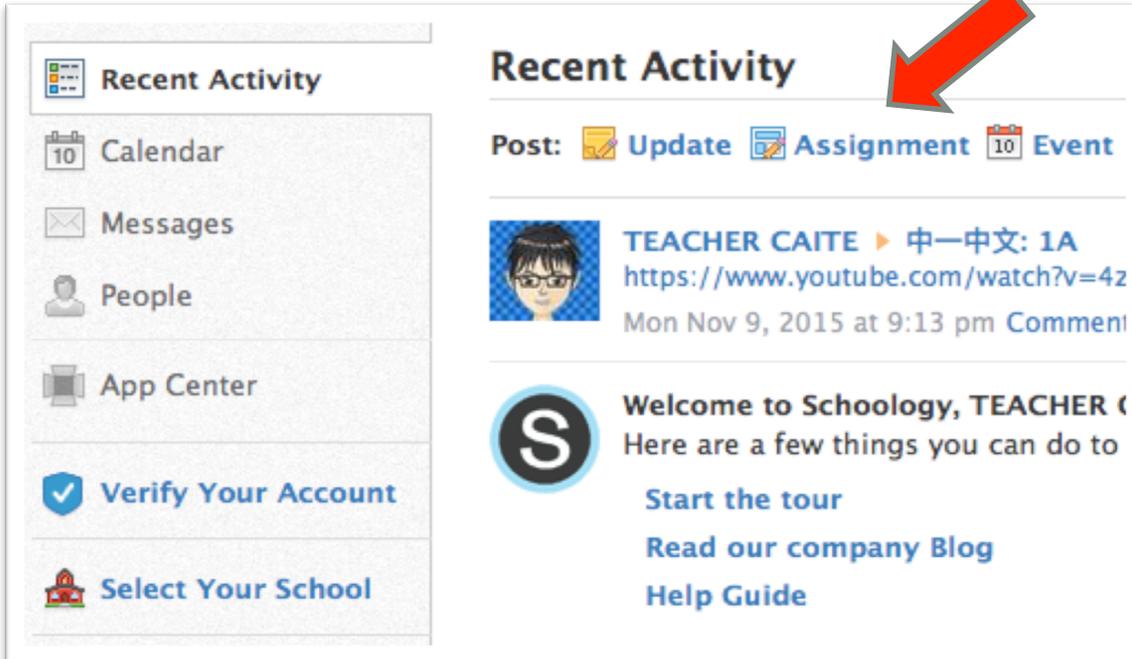
管理學習教材及發佈消息 - Updates

- 老師可以透過 Updates 讓同學知道有關課程的最新消息
- Updates 亦可以包含檔案附件和 Poll



收集學生功課及評分 - Assignment

- 老師可於主頁直接設立Assignment 或於 Course Materials 中新增 Assignment



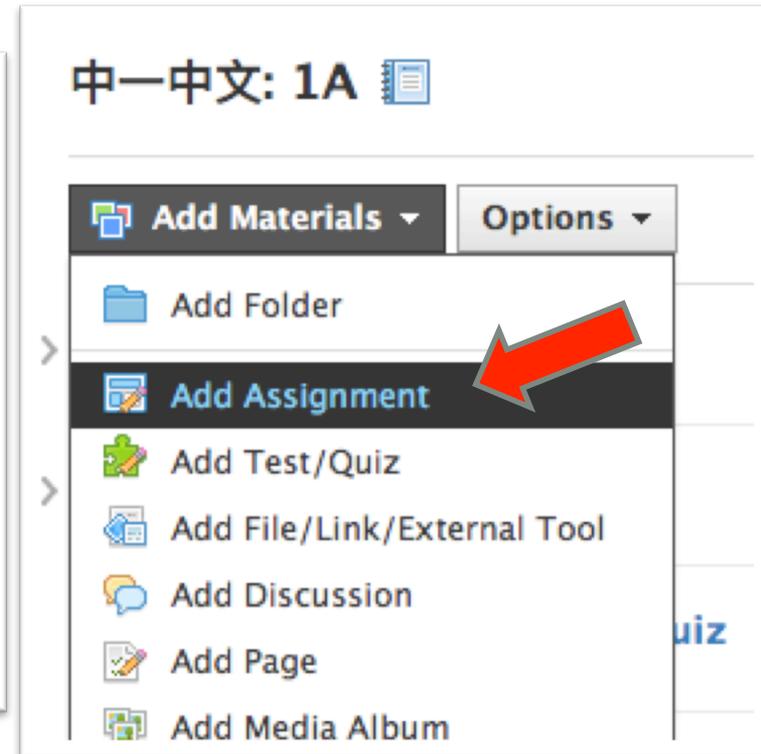
Recent Activity

Post: Update **Assignment** Event

TEACHER CAITE ▶ 中一中文: 1A
<https://www.youtube.com/watch?v=4z...>
Mon Nov 9, 2015 at 9:13 pm [Comment](#)

Welcome to Schoology, TEACHER C
Here are a few things you can do to

- [Start the tour](#)
- [Read our company Blog](#)
- [Help Guide](#)



中一中文: 1A

Add Materials ▾ **Options** ▾

- Add Folder
- Add Assignment**
- Add Test/Quiz
- Add File/Link/External Tool
- Add Discussion
- Add Page
- Add Media Album

收集學生功課及評分 - Assignment

Create Assignment

Name: *

Description: *

Due date: * 100 pts

Category: * (Ungraded) Grading options

Scale/Rubric: * Numeric

Advanced: *

Create Cancel

Name 和 Description 就是關於 Assignment 的資料

Due date 可以設定遞交功課的最後日期及時間

Point total 是功課的總分, 將來可以更改

Categories 是 Assignment 的分類, 方便說 Gradebook 顯示分數

Scale/Rubric: 有三個選項

- numeric
- A+/-
- Create New - 設立新的 Rubric

收集學生功課及評分 - Assignment

- 除了基本設定, 還有很多進階的設定



1. Individually Assign
2. Align
3. Lock
4. Submission Enabled

5. Visible to students
6. Grade Statistics
7. Comments
8. Copy to course

收集學生功課及評分 - Assignment

- 例如在設立 Assignment 的時候, 可以同時把該 Assignment 指派給不同的課程或小組 (Individual Assign), 而且亦可以設定不同 Deadline 和評分準則

Recent Activity

Most Recent ▾

Post: Assignment ✕

Name: *

Description:

B *I* U

Max pts: Set as midterm/final

Advanced:

✕ 🔍

CAITE_101: 2015

Due date:

Category: ▾

Scale: ▾

Period: ▾

[Create](#)

Advanced:

✕ ✕ 🔍

CAITE_101: 2015

Due date:

Category: ▾

Scale: ▾

Period: ▾ [Copy settings](#)

CAITE_101: 2016

Due date:

Category: ▾

Scale: ▾

Period: ▾

[Create](#)

管理學習進度 - Gradebook

- 在不同活動裏學生所得的分數會自動記錄在 Gradebook 內

The screenshot shows the Schoology Gradebook interface. At the top, there is a navigation bar with the Schoology logo, a search bar, and links for Home, Profile, Inbox (with a notification badge), and Resources. On the right side of the navigation bar, there are icons for user profile and account settings, and a 'Logout' link.

The main content area is titled 'Technology in the Classroom: 2011' and 'Gradebook'. A yellow banner at the top of the gradebook area contains the instruction: 'To add comments to a grade, click on the speech bubble that appears on the lower-right hand corner of each grade cell.' Below this banner, there is a 'Winter 2011' dropdown menu, a 'Refresh' icon, and an 'Options' dropdown menu. A 'Save Changes' button is located in the top right corner of the table.

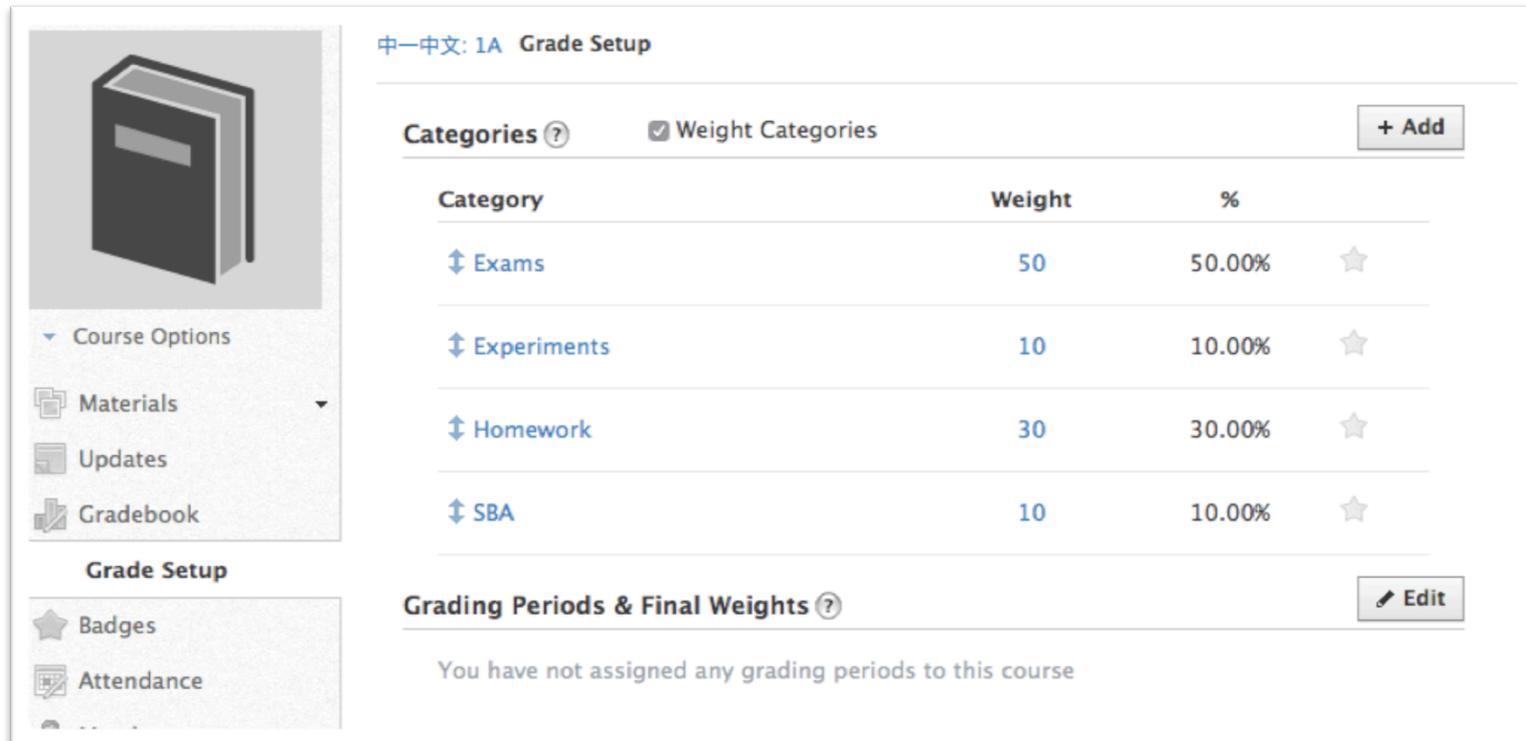
The gradebook table has the following columns: Overall, Winter 2011, Art of the Interview Video (5 pts), Basic Sequence Video (5 pts), Intro to Editing Video (5 pts), Class Attendance (30 pts), and Classroom Funding / Grant Application (5 pts). The table contains five rows of student data, each with a 'Student Name' link and a bar chart icon. The scores for each student are as follows:

	Overall	Winter 2011	Art of the Interview Video (5 pts)	Basic Sequence Video (5 pts)	Intro to Editing Video (5 pts)	Class Attendance (30 pts)	Classroom Funding / Grant Application (5 pts)
Student Name	99.5%	99.5%	5	5	5	30	5
Student Name	98.5%	98.5%	5	5	5	30	5
Student Name	99%	99%	5	5	5	30	5
Student Name	96.5%	96.5%	0	5	5	30	5
Student Name	97%	97%	5	5	5	30	5

On the left side of the interface, there is a sidebar with a 'Send Message' button and a list of course management options: Edit Course, Edit Settings, Edit Members, Materials, Updates, Gradebook (highlighted), Grade Setup, Attendance, and Analytics. At the bottom of the sidebar, there is an 'Information' section.

管理學習進度 - Gradebook

- Gradebook 內不同的項目可以被編配入不同的類別(Category)
- 老師可以設定不同的比重給每一個類別

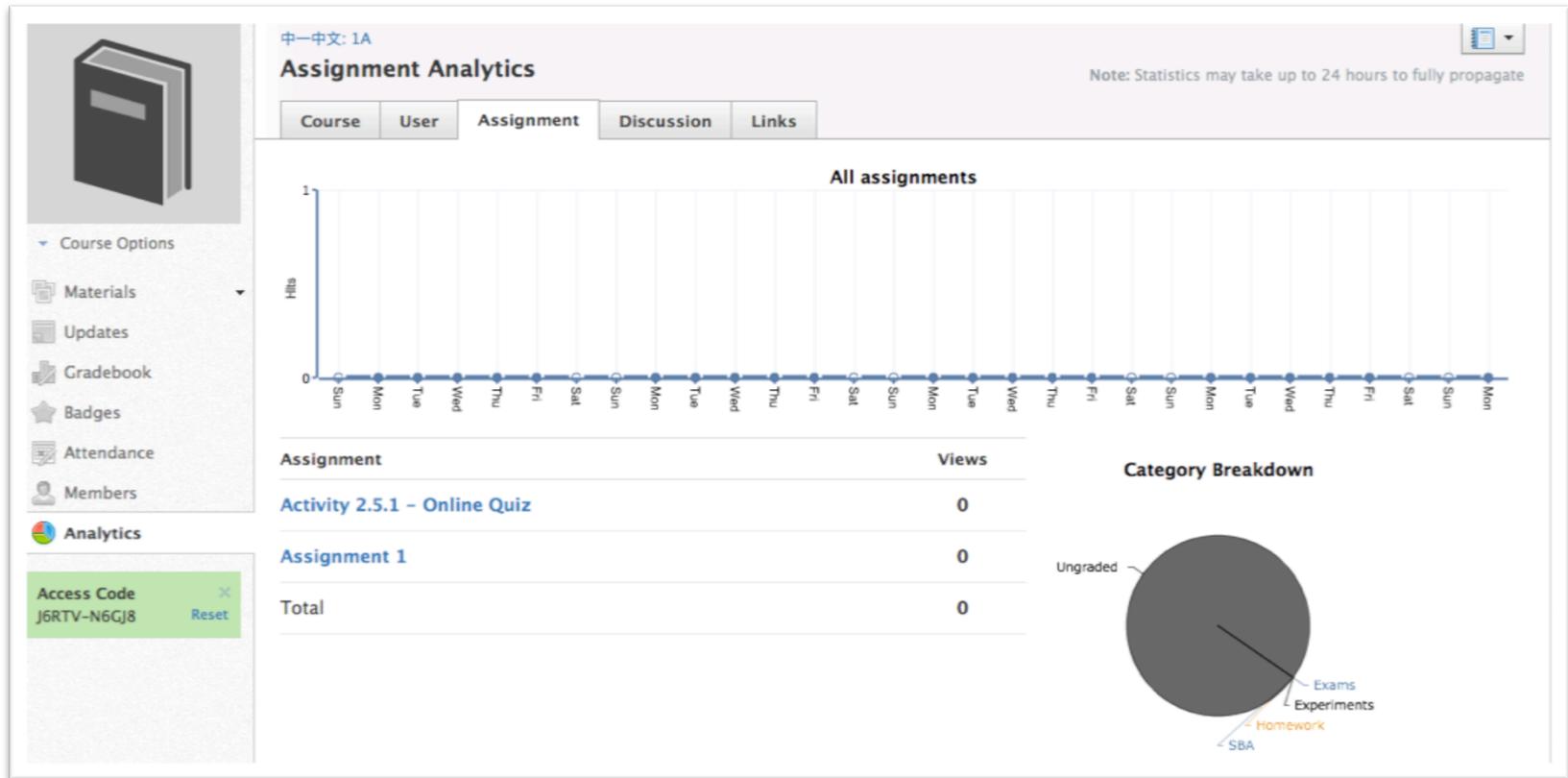


The screenshot shows the 'Grade Setup' interface for the course '中一中文: 1A'. On the left is a sidebar with navigation options: Course Options, Materials, Updates, Gradebook, Grade Setup, Badges, and Attendance. The main area is titled '中一中文: 1A Grade Setup' and contains a table of categories. The 'Weight Categories' checkbox is checked. The table lists four categories: Exams (Weight: 50, %: 50.00%), Experiments (Weight: 10, %: 10.00%), Homework (Weight: 30, %: 30.00%), and SBA (Weight: 10, %: 10.00%). Below the table is a section for 'Grading Periods & Final Weights' which is currently empty, with a message: 'You have not assigned any grading periods to this course'.

Category	Weight	%
↕ Exams	50	50.00%
↕ Experiments	10	10.00%
↕ Homework	30	30.00%
↕ SBA	10	10.00%

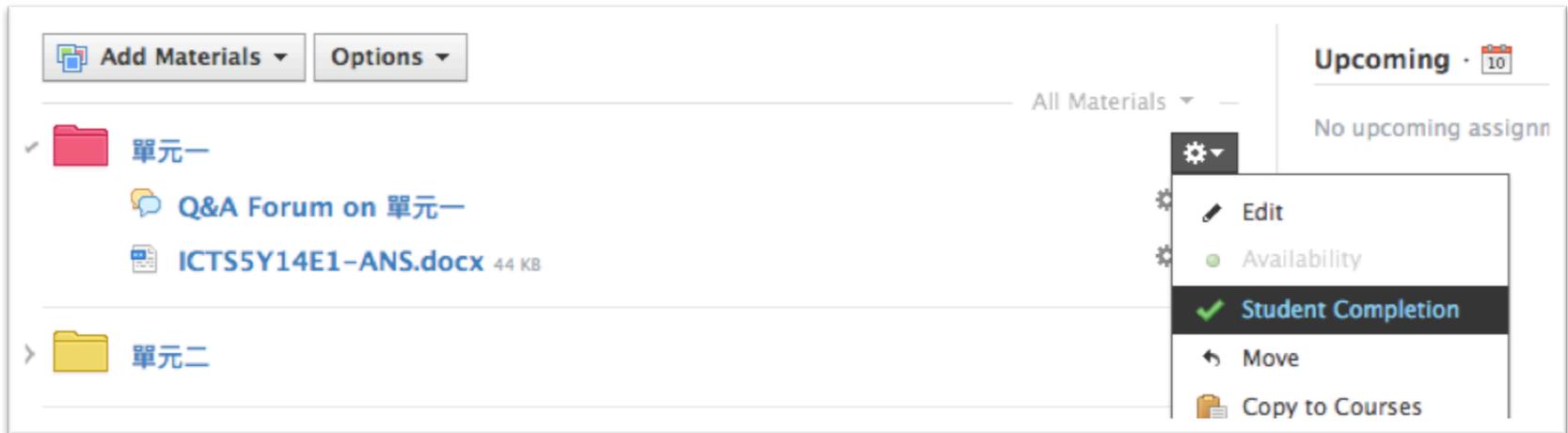
管理學習進度 - Analytics

- Analytics 內可以找到很多有用的統計資料，例如學生在有一個 Assignment 的表現

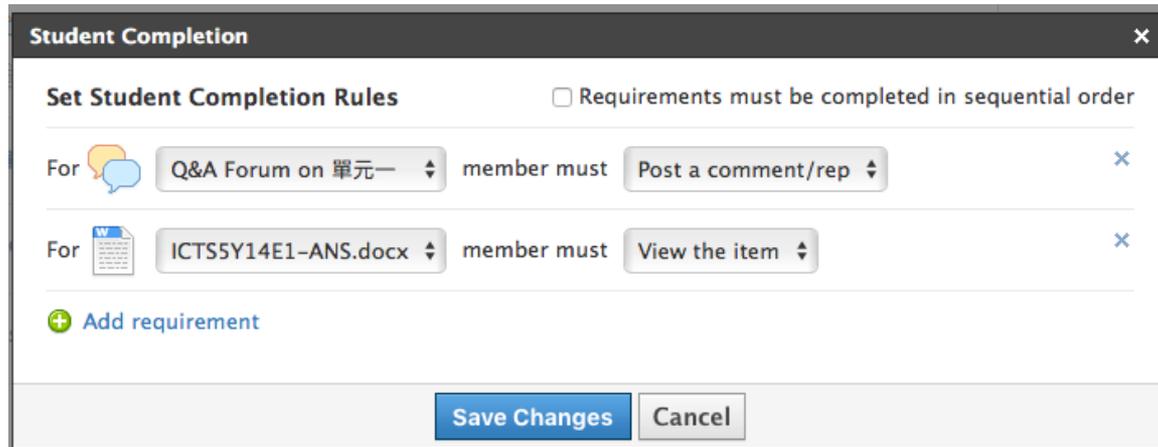


管理學習進度 – Student Progress

- Materials 內的 Folder 可以附加記錄學生進度的設定 (



The screenshot shows the Blackboard interface for managing materials. At the top, there are buttons for 'Add Materials' and 'Options'. Below this, a list of materials is displayed, including a folder '單元一' (Unit 1) and a document 'ICTS5Y14E1-ANS.docx'. A context menu is open over the 'Student Completion' option, which is highlighted with a green checkmark. Other options in the menu include 'Edit', 'Availability', 'Move', and 'Copy to Courses'. The top right corner shows 'Upcoming' with a calendar icon and 'No upcoming assignm'.



The 'Student Completion' dialog box is shown, allowing users to set student completion rules. The title bar reads 'Student Completion'. Below the title, there is a section 'Set Student Completion Rules' with a checkbox 'Requirements must be completed in sequential order'. Two rules are listed:

- For  Q&A Forum on 單元一 member must Post a comment/rep
- For  ICTS5Y14E1-ANS.docx member must View the item

At the bottom, there is a '+ Add requirement' button and 'Save Changes' and 'Cancel' buttons.

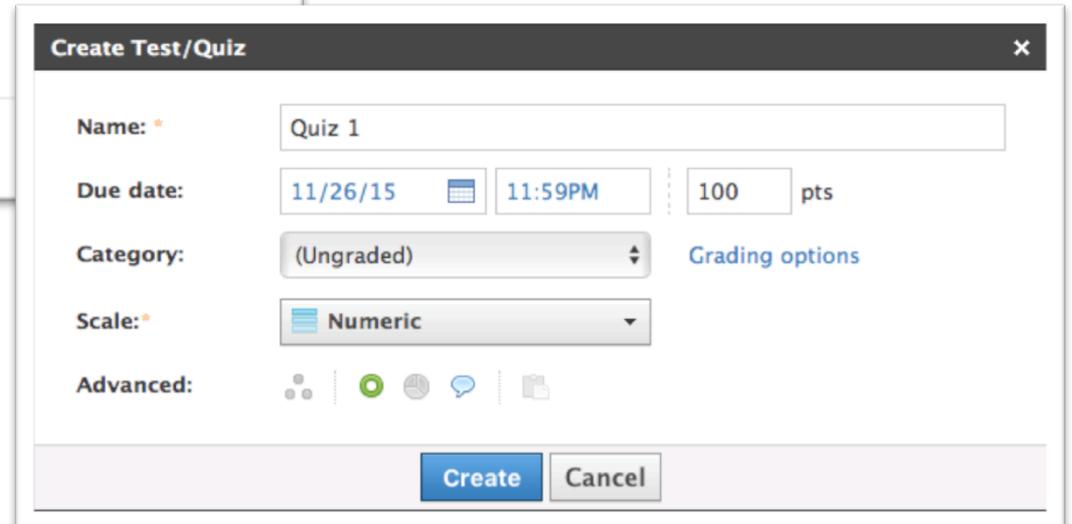
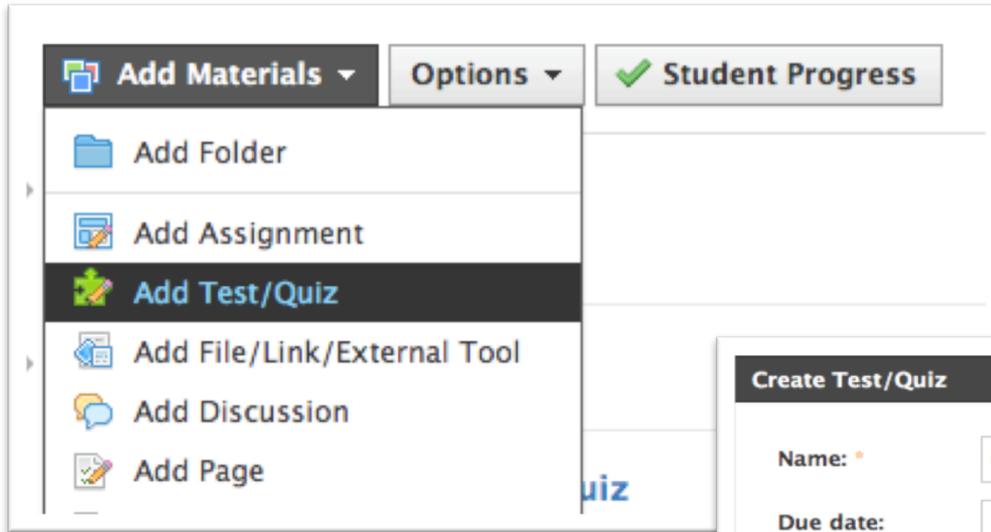
管理學習進度 – Student Progress

The screenshot displays a learning management system interface. At the top, there are three buttons: 'Add Materials' with a folder icon, 'Options' with a dropdown arrow, and 'Student Progress' with a green checkmark icon. On the right side, there is a 'Upcoming' section. The main content area shows a list of materials with a progress bar for each. A modal window titled 'Student Progress' is open, showing the progress for 'STUDENT CAITE'. The modal lists the following items:

Material	Progress
STUDENT CAITE	50% <input type="checkbox"/>
單元一	50% <input type="checkbox"/>
Q&A Forum on 單元一	In Progress
ICT55Y14E1-ANS.docx	<input checked="" type="checkbox"/>

了解和評估學生的學習情況 - Quiz

- 老師們可以輕易地建立網上測驗



A screenshot of the 'Create Test/Quiz' dialog box. The fields are: Name: Quiz 1; Due date: 11/26/15 11:59PM; 100 pts; Category: (Ungraded) with a 'Grading options' link; Scale: Numeric; Advanced: icons for settings, help, and other options. At the bottom are 'Create' and 'Cancel' buttons.

了解和評估學生的學習情況 - Quiz

Example English : Section 1 ▶ Tests/Quizzes

Example Quiz

1 2 3 4 5

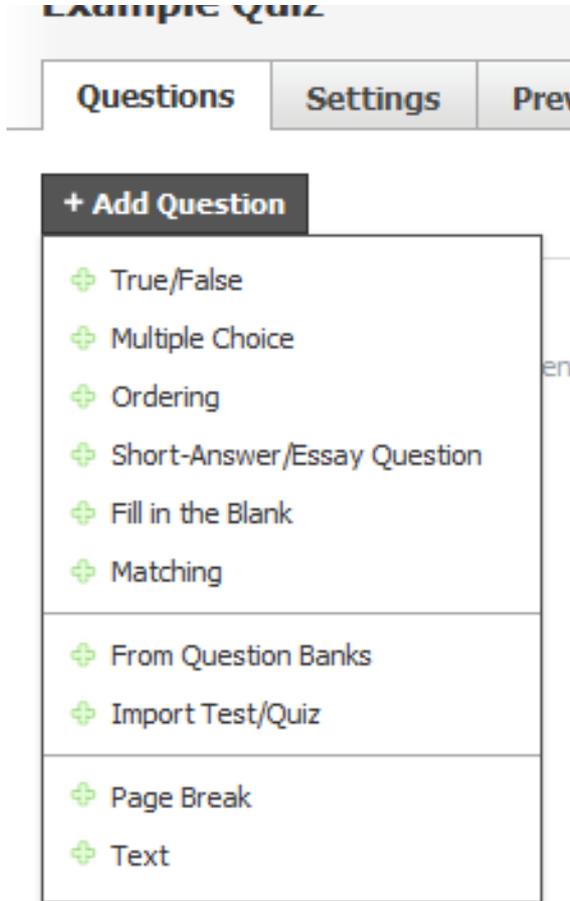
Questions Settings Preview Results Comments

6 + Add Question

Unavailable 7 8 9

1. 題目列表
2. 設定日期, 分頁, 和其他進階設定 (例如學生可以參與測驗的次數)
3. 預覽
4. 測驗結果
5. 有關測驗的評語
6. 新增題目
7. 統計
8. 分數資料
9. 設定

了解和評估學生的學習情況 - Quiz



Schoology 支援使用很多不同的題目類型

了解和評估學生的學習情況 - Quiz

- 測驗範例

The screenshot shows the Schoology interface for a quiz titled "A Midsummer Night's Dream Celebration of Knowledge". The interface includes a navigation bar at the top with "Home", "Courses", "Groups", and "Resources". The user's name "Chelsea Lamp" is visible in the top right. The quiz is for "10th Grade English : Period 3" and is categorized under "Tests/Quizzes".

On the left side, there is a sidebar with "Course Options" and "Materials". The "Materials" section is expanded, showing "Updates", "Gradebook", "Attendance", "Members", and "Analytics".

The main content area displays the quiz title and a navigation bar with "Questions", "Settings", "Preview", "Results", and "Comments". The "Questions" tab is active. Below the navigation bar, there are buttons for "+ Add Question" and "Options".

The quiz questions are listed as follows:

- 1** Match the character's name next to the correct description. ⚙️
Matching - 13 points
- 2** Indicate the order in which the following events occurred in the play. ⚙️
Ordering - 5 points
- 3** Bottom suggests that Quince write a Prologue explaining that the _____ is not real so that the ladies in the audience will not be frightened. ⚙️
Multiple Choice - 1 point
- 4** Bottom suggests that Snug should reassure the ladies in the audience about his role as _____. ⚙️
Multiple Choice - 1 point
- 5** Snout's clothes are smeared with _____ to convey that he plays _____. ⚙️
Multiple Choice - 1 point

了解和評估學生的學習情況 - Quiz

- 測驗進行期間老師亦可以看到每一條題目的統計資料

Question 1: Match the character's name next to the correct description.

[See stats](#)

[View Responses](#)

Matching - 13 points

Points Earned - **Most:** 13 • **Least:** 4 • **Avg:** 11.32

Question 2: Indicate the order in which the following events occurred in the play.

[See stats](#)

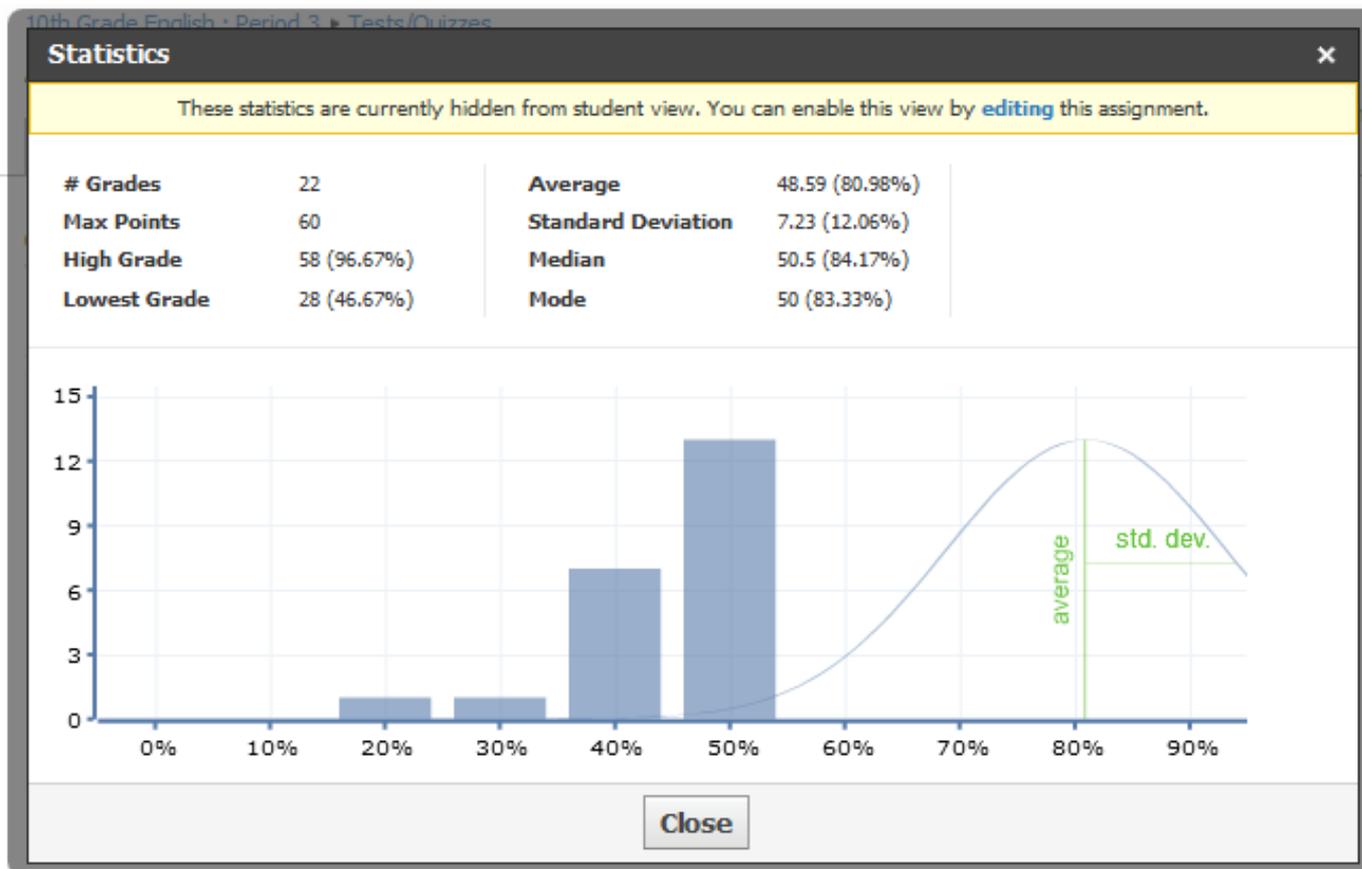
[View Responses](#)

Ordering - 5 points

Points Earned - **Most:** 5 • **Least:** 0 • **Avg:** 2.41

了解和評估學生的學習情況 - Quiz

- Schoology 亦提供了測驗的詳細分析

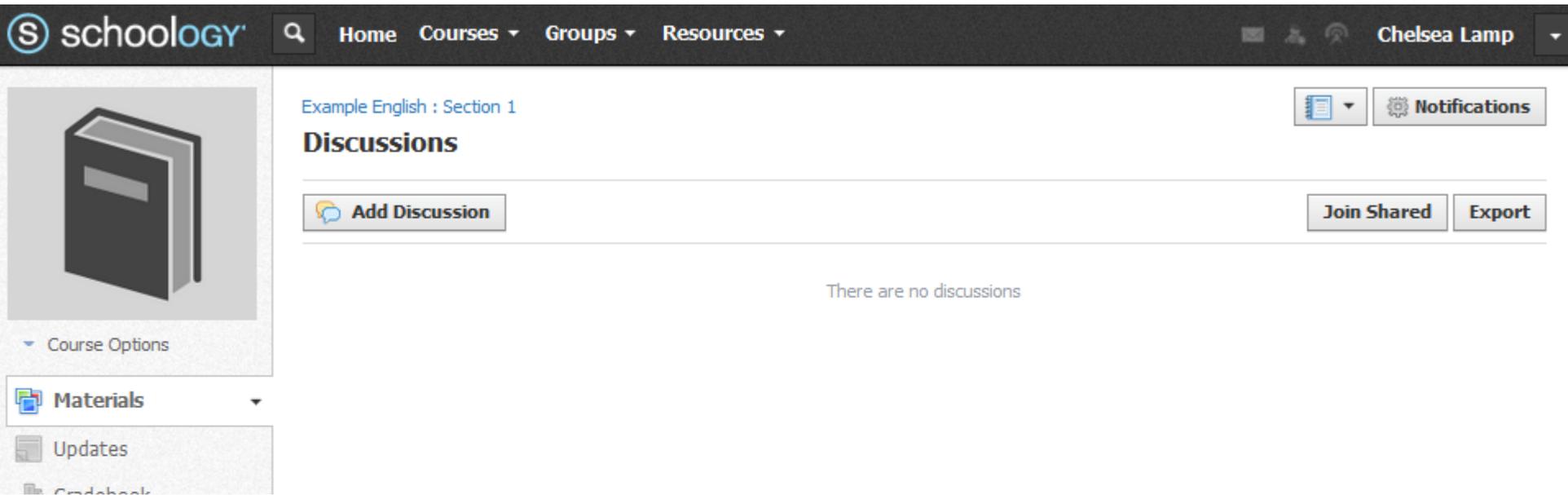


available



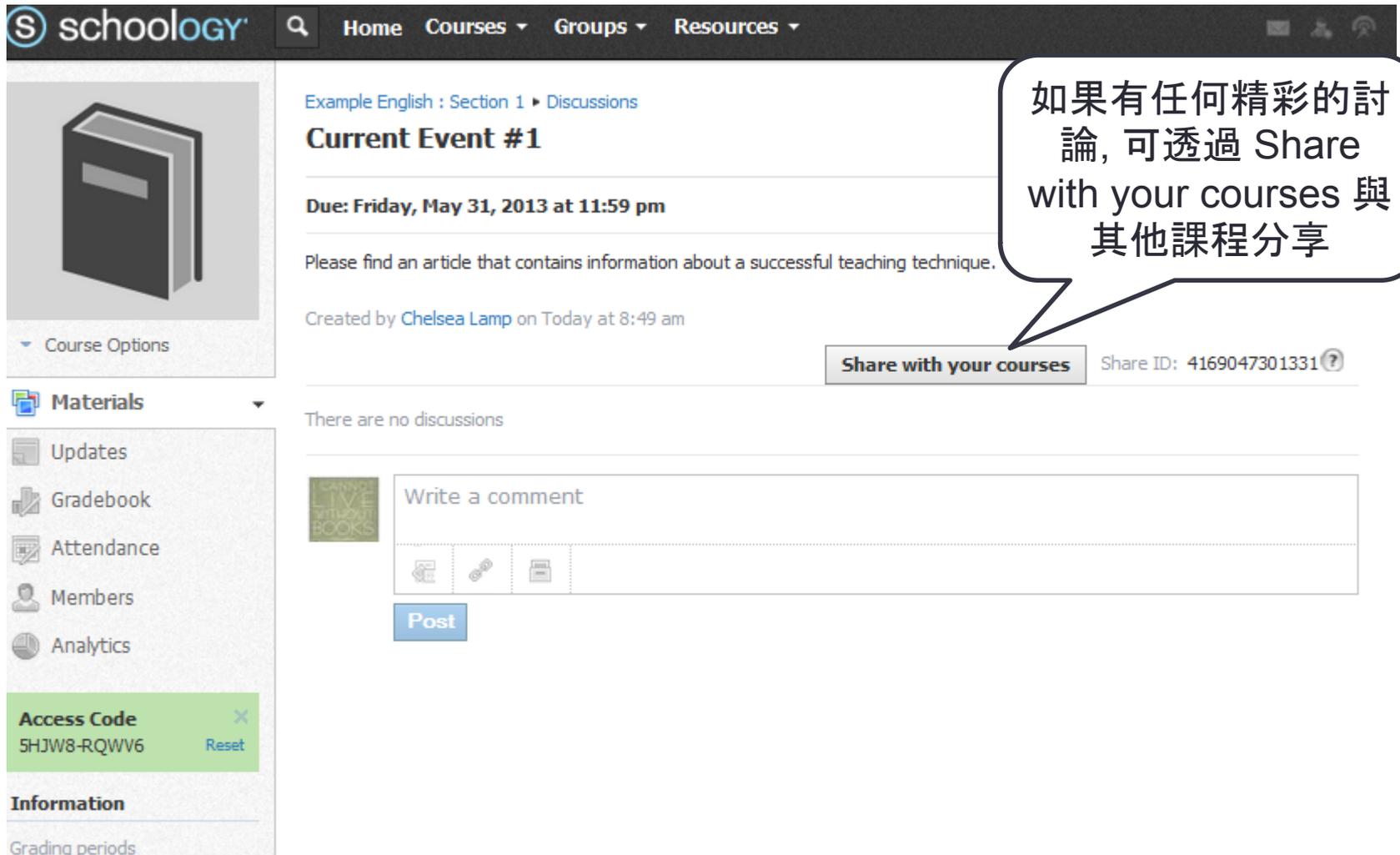
互動和協作功能 - Discussion

- 除了 Updates 內可以作簡單的討論, Schoology 亦提供了完整的討論區功能



The screenshot displays the Schoology user interface. At the top, the 'schoology' logo is on the left, and navigation links for 'Home', 'Courses', 'Groups', and 'Resources' are in the center. On the right, there are icons for mail, a person, and a refresh symbol, along with the user name 'Chelsea Lamp'. The main content area is titled 'Example English : Section 1' and 'Discussions'. It features an 'Add Discussion' button with a speech bubble icon, a 'Join Shared' button, and an 'Export' button. A 'Notifications' button with a gear icon is also present. The text 'There are no discussions' is centered below the buttons. On the left sidebar, there is a book icon representing 'Course Options', a 'Materials' section with a dropdown arrow, and 'Updates' and 'Gradebook' options below it.

互動和協作功能 - Discussion

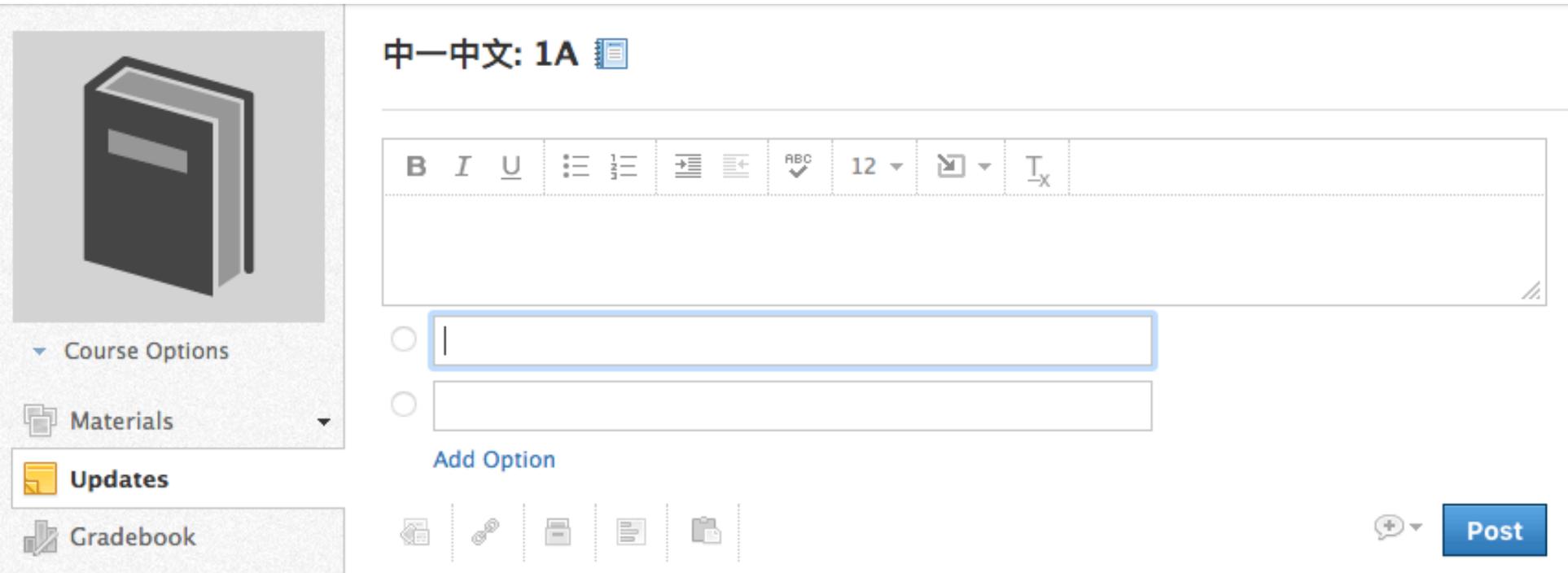


The screenshot displays the Schoology user interface. At the top, the navigation bar includes the Schoology logo, a search icon, and menu items for Home, Courses, Groups, and Resources. The main content area shows a discussion post titled "Current Event #1" under the heading "Example English : Section 1 ▸ Discussions". The post is due on Friday, May 31, 2013, at 11:59 pm. The content of the post asks the user to find an article about a successful teaching technique. It was created by Chelsea Lamp on Today at 8:49 am. A "Share with your courses" button is visible, with a Share ID of 4169047301331. A callout bubble points to this button, containing the text: "如果有任何精彩的討論, 可透過 Share with your courses 與其他課程分享". Below the post, there is a section for comments with a "Write a comment" text area and a "Post" button. The left sidebar contains navigation options such as Materials, Updates, Gradebook, Attendance, Members, and Analytics, along with an Access Code (5HJW8-RQWV6) and an Information section.

如果有任何精彩的討論, 可透過 Share with your courses 與其他課程分享

互動和協作功能 - Poll

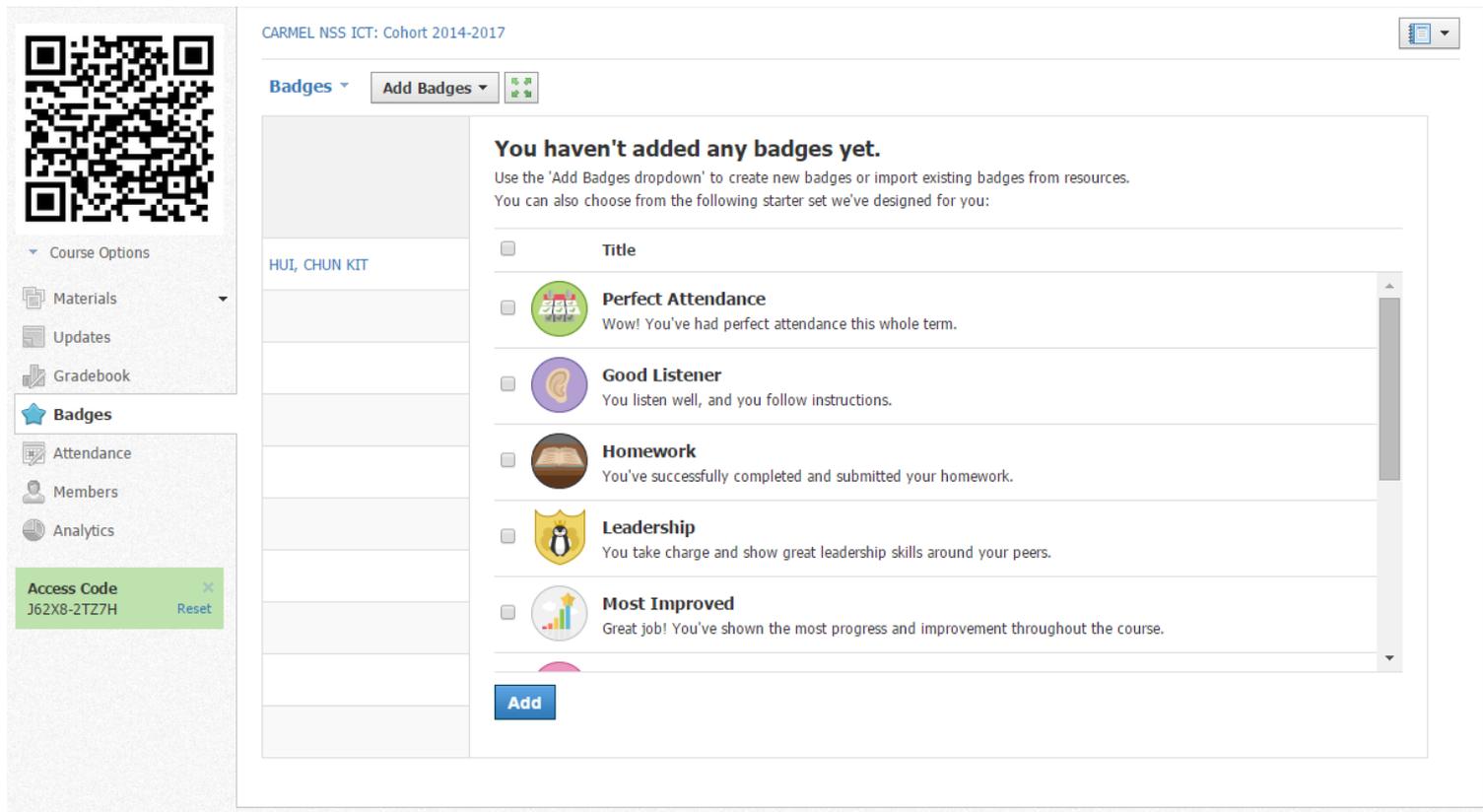
- Updates 可以用作簡單的消息發佈, 討論和投票 Poll



The screenshot displays a user interface for creating a poll. On the left is a sidebar with navigation options: Course Options, Materials, Updates (highlighted), and Gradebook. The main content area is titled "中一中文: 1A" and features a rich text editor with a toolbar containing icons for bold, italic, underline, list, link, font color, and text background color. Below the editor are two radio buttons for selecting an option, with the first one highlighted by a blue border. An "Add Option" link is positioned below the second radio button. At the bottom, there are icons for adding attachments, a "Post" button, and a comment icon.

Badges

- 老師可利用Badges鼓勵同學
- 除了系統預設的 Badges 之外, 老師還可以新增 Badges



The screenshot displays the Canvas LMS interface for a course titled "CARMEL NSS ICT: Cohort 2014-2017". On the left sidebar, there is a navigation menu with options: Course Options, Materials, Updates, Gradebook, Badges (highlighted with a star), Attendance, Members, and Analytics. Below the menu is an "Access Code" field showing "J62X8-2TZ7H" with a "Reset" button. The main content area shows the "Badges" management page. At the top, there is a "Badges" dropdown menu and an "Add Badges" button. Below this, a message states: "You haven't added any badges yet. Use the 'Add Badges dropdown' to create new badges or import existing badges from resources. You can also choose from the following starter set we've designed for you:". A list of starter badges is shown, each with a checkbox, an icon, a title, and a description:

- Title**
- Perfect Attendance**
Wow! You've had perfect attendance this whole term.
- Good Listener**
You listen well, and you follow instructions.
- Homework**
You've successfully completed and submitted your homework.
- Leadership**
You take charge and show great leadership skills around your peers.
- Most Improved**
Great job! You've shown the most progress and improvement throughout the course.

At the bottom of the list is a blue "Add" button. The course name "CARMEL NSS ICT: Cohort 2014-2017" is visible at the top right of the main content area.

應用程式界面體驗

- Schoology 的應用程式功能十分全面,基本上可以透過應用程式參與大部份課程活動和設定
- 從移動裝置上載多媒體和檔案十分方便



比較不同的 LMS

	Moodle	Edmodo	Google Classroom	Schoology
帳戶管理 – 老師和學生帳戶管理	以電郵帳戶登記	以電郵帳戶登記	不用登記，Google Apps for Education 內建功能	以電郵帳戶登記
操作介面簡介	Dashboard User Profile Blocks* Events Private Files*	Dashboard User Profile	課程主頁 Google 我的帳戶	Teacher's Home
建立網上教室	Course	Group	課程	Course and Sections
加入其他參與者 (學生，老師)	Enrolment Method	Group Code	課程代碼	Access Code
管理學習教材及發佈消息	News Forum Labels Pages Repository Book* Folder File Multimedia Editor	Library Note	公告 訊息 教材	Resources Materials Page Folder Media Album Updates
收集學生功課及評分	Assignment Rubric	Assignment	作業	Assignment Rubric
管理學習進度	Activity Completion Course Completion Grade book*	Progress		Analytics Gradebook Student Progress
了解和評估學生的學習情況	Quiz Reports*	Quiz		Quiz
互動和協作功能	Choice Wiki* Checklist* Site and Course Blog*	Poll / Discussion	問題	Poll Discussion
其他功能	Conditional Access Groups* Messaging	Small Groups Community		Badges Copy to other Courses
應用程式界面體驗	Push Notification	Push Notification Post	Push Notification Updates	Push Notification Updates

	Moodle	Edmodo	Google Classroom	Schoology
帳戶管理 – 老師和學生帳戶管理	☆☆☆	☆	☆☆☆	☆☆
操作介面	☆	☆☆☆	☆☆☆	☆☆☆
建立網上教室	☆☆	☆☆☆	☆☆☆	☆☆☆
加入其他參與者 (學生, 老師)	☆☆	☆☆☆	☆☆☆	☆☆☆
管理學習教材及發佈消息	☆☆☆	☆☆☆	☆☆	☆☆☆
收集學生功課及評分	☆☆☆	☆	☆	☆☆☆
管理學習進度	☆☆☆	☆	☆	☆☆☆
了解和評估學生的學習情況	☆☆☆	☆☆	☆	☆☆☆
互動和協作功能	☆☆☆	☆☆	☆☆	☆☆☆
其他功能	☆☆☆	☆	☆	☆☆
應用程式界面體驗	☆	☆☆☆	☆☆☆	☆☆☆

教學應用－考慮

- 選擇
 - 一個 LMS vs 多個 LMS
- 費用
 - 付費版 / 免費版 / 在校安裝版
- 推行方法
 - Parallel
 - Phased
 - Pilot
 - Direct Cut-Off

教學應用－學習群組

- LMS 可以成為建立學習群組的平台 (especially Edmodo, Schoology and Google Classroom)
- 學習群組可以包括不同的功能
 - 社交分享
 - 培養群體認同
 - 延伸的學習活動
 - 功課以外，老師還可以安排非正式的的學習活動 (e.g. Poll / Questions)
 - 學生自發的學習討論
 - 讓同學可以按自己的進度發問問題及作出討論
 - 學生自發的資源分享
 - 老師不是唯一的知識來源



OldDempsey Yeung shared 笑图俱乐部!!!保证笑死你's photo.

March 18, 2012

溫緊EXCEL既笑下喇:D



连电脑都欺负我

Like · Comment

葉心深 likes this.

Seen by 32



Frankie Lau 找不到對象

March 18, 2012 at 11:00pm · Like



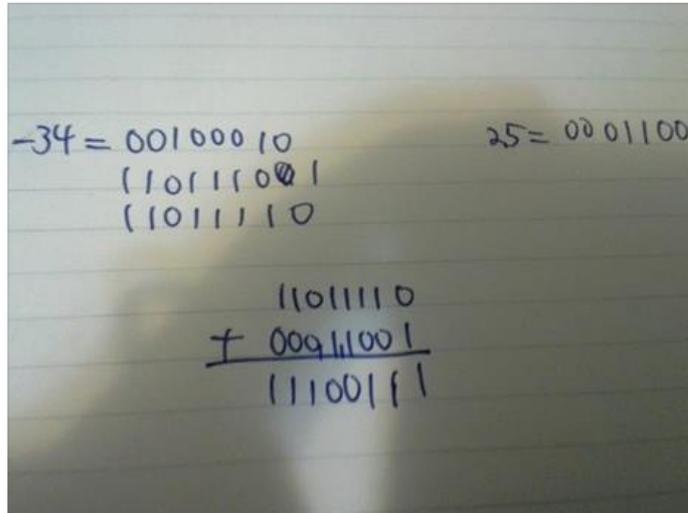
Write a comment...



Ricky Happy Lee

October 17, 2013

求教 點解做唔到 -34+25 ans should be 9



Unlike · Comment

You, Dick Ho, Horace Chan and 區晉誠 like this.

Seen by everyone



Jacky Hui Happy did a good job!!! Sharing is very important, no matter correct or not!!! Anyone got any ideas for him?

October 17, 2013 at 8:37pm · Edited · Like · 1



Rico Cheng I thk the ans should be 11110111

October 17, 2013 at 8:40pm · Like



Ricky Happy Lee Pt out where are the mistake

October 17, 2013 at 8:45pm · Like



Ivan Chow See my photo??

October 17, 2013 at 8:45pm · Like



Ricky Happy Lee Thx

October 17, 2013 at 8:46pm · Like



Ricky Happy Lee I think 1+1 is 0 and ignore the carry

October 17, 2013 at 8:46pm · Edited · Like



Chak Lam Ho

March 22 · Edited

Someone know how to write the prime number pseudocode?
i only can find a RANGE of prime number(a method someone suggest is checking by dividing 2,3,5,7.but the range will be only in 1-121), is that possible to find ALL prime numbers. Help me check if this is correct
***so according the facebook discussion this is the final answer we think below.

a = 0... See More

Like · Comment

✓ Seen by 33

View 42 more comments



陸朗聰 i got some fix



Chak Lam Ho

March 22 · Edited

Someone know how to write the prime number pseudocode?
i only can find a RANGE of prime number(a method someone suggest is checking by dividing 2,3,5,7.but the range will be only in 1-121), is that possible to find ALL prime numbers. Help me check if this is correct
***so according the facebook discussion this is the final answer we think below.

a = 0... See More

Like · Comment

✓ Seen by 33



Fung Sau Yu how abt this

the middle part is just same as the one on the note

```
a = 0
input i
j = i - 1
while j > 1 and i > 1 do
if i mod j = 0 then
```

Reply from a quiet student





Jose Au-Yeung

January 4

I have a question about the connection between the web browser and the web site

I know that a connection must be initiated by a web browser when they are connected usually the web browser will receive index.html ... [See More](#)

Like · Comment

✓ Seen by 35



林振霆 I think it should be first statement as you set the homepage or default by someone is taking place on the web browser but not the website. From this , I think it is requested by the web browser(not sure , just a guess
January 4 at 12:47pm · Like



Jose Au-Yeung 林振霆 What mean I can set the homepage or default... ?
January 4 at 1:38pm · Like



林振霆 Set them in the browser
January 4 at 3:39pm · Like



陳朗聰 what magic saying is about the first page you when u open the web browser, like Chrome, its default homepage is google.com. It is right but i dont think that is what Jose Au-Yeung talking about.
January 4 at 4:17pm · Like



陳朗聰 back to Jose Au-Yeung's question, i believe it is the 2nd statement sent automatically by the web site when the web browser was connected because the web browser does not know what to request and different websites have different 'homepage' HTML file so the first statement should be impossible
January 4 at 4:18pm · Edited · Like



Jose Au-Yeung Jacky Hui dim see ?
January 4 at 4:21pm · Like



陳朗聰 however, after the first page, all other pages should be requested by the web browser. As the browser get the direct URL to the remaining files. This situation can be easily described as the service at the restaurant: when u go in, a meal is handled to u and that is the first page. Afterwards, u can order other the dishes and that is the URL u get. hope this help u.
January 4 at 4:26pm · Like



林振霆 Hey, can you explain more on the restaurant example , i cannot fully understand. sorry...

Help Request

Discussion goes on as no authoritative answers are given

Affirmative message from the teacher



therefore the pathway always true(ask file->return file)
January 4 at 4:54pm · Like



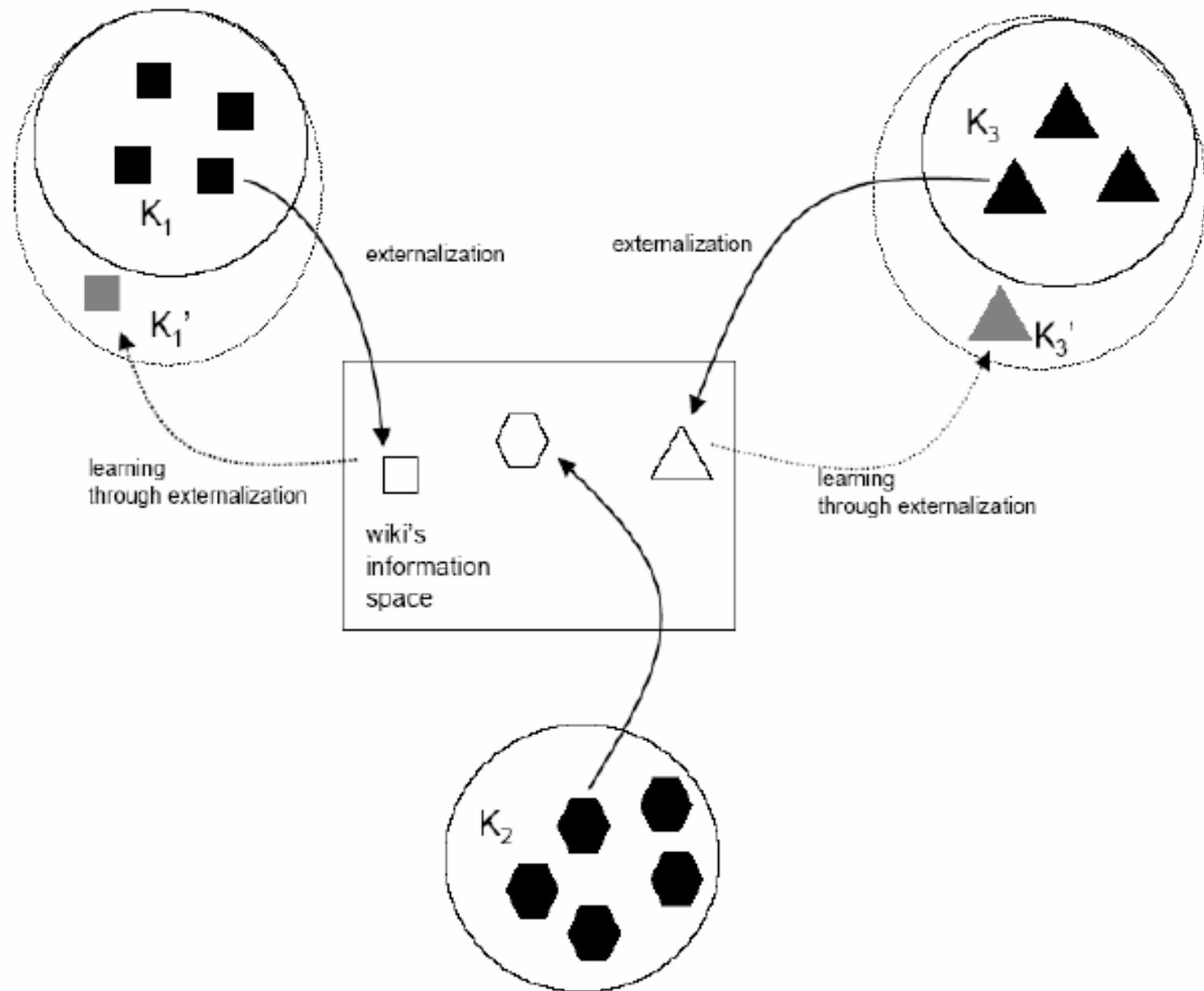
Jacky Hui Nice discussion direction
January 4 at 5:01pm · Like



Chak Lam Ho i agree with 陳朗聰. We may set different homepage in the browser. Web Browser don't know what to request . IF it CAN requested automatically by the web browser when it was connected to the web site, the

教學應用－知識建構

- 很多LMS 平台都有提供有利知識建構的工具
 - Wiki
 - Blog
 - Google Docs
- 這些工具可以
 - 讓同學和老師發表和整理知識和學習筆記
 - 互相觀摩和學習
 - 建基於其他人的基礎再作出改善
- 常見的角色
 - Editor, Commentator, Secretary,



教學應用 – 自主學習

- 大部份 LMS 都有提供 Online Quiz 功能
- 有部份 LMS 亦有提供 Conditional Access 功能



The screenshot displays a list of four activities, each with a document icon and a checkbox on the right:

- Activity 1 - Ringtone
- Activity 2 - Correcting a Problematic Recording
- Activity 3 - Multi-Track editing
- Activity 4 - Storytelling

Below the list, a message states: "Not available unless any of:"

- The activity **Activity 1 - Ringtone** is marked complete
- The activity **Activity 2 - Correcting a Problematic Recording** is marked complete
- The activity **Activity 3 - Multi-Track editing** is marked complete

- 可以按學生能力設定不同的 Learning Path

其他 LMS

- Moodle Cloud-based version
 - <https://moodle.com/cloud/>
- Canvas Cloud
 - <https://www.canvaslms.com/try-canvas>
- NEO LMS
 - <https://www.neolms.com/>

其他 Learning Platforms and Tools

- Microsoft Office 365 – OneNote classroom
- Eduventure
- Padlet.com
- WordPress.com