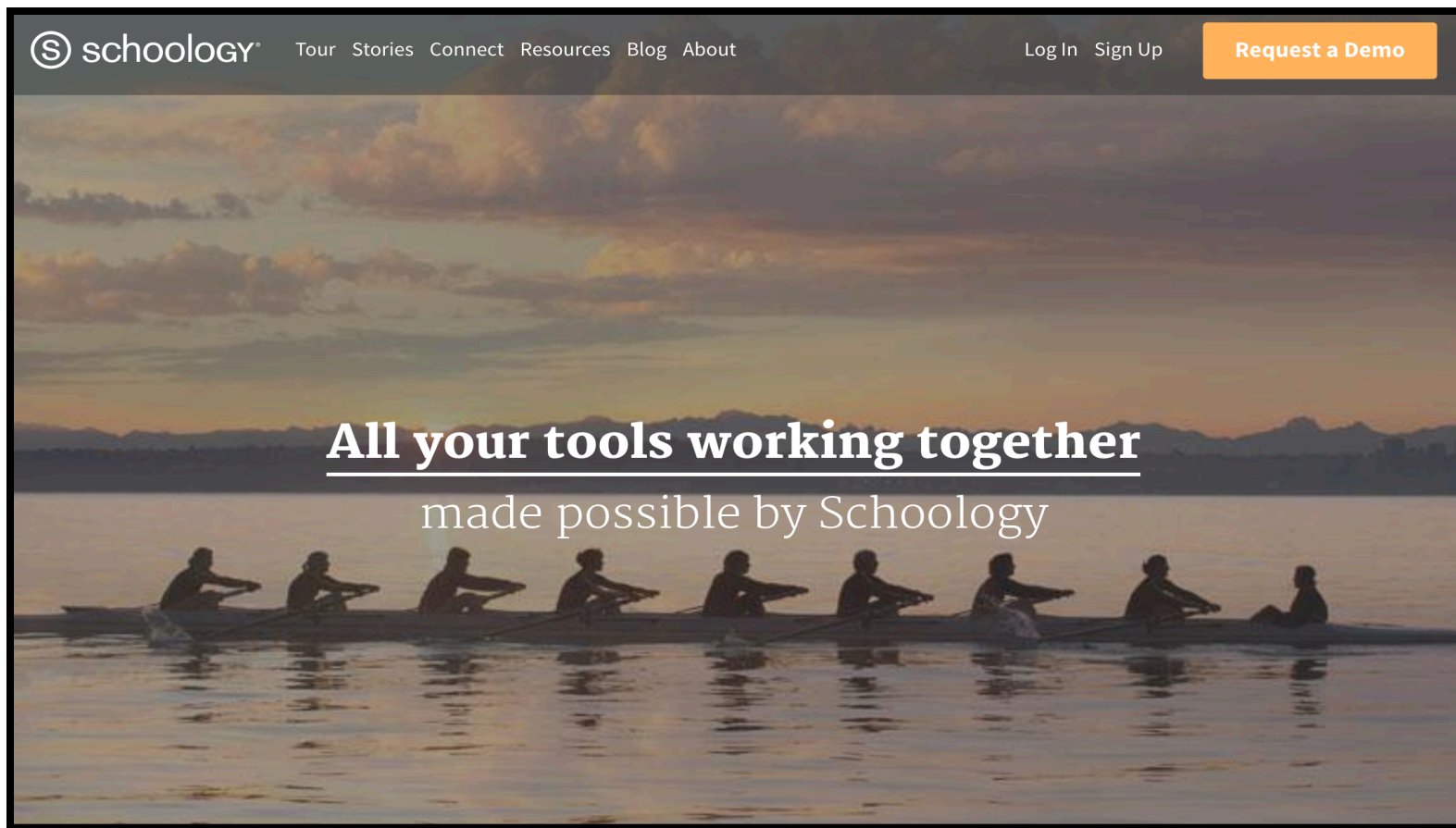


2. Introduction to Light-weight LMS and Their Roles on E-Assessment

What is Light-weight LMS?

Introduction and hands-on of interactive LMS:

Schoology : <https://www.schoology.com/>

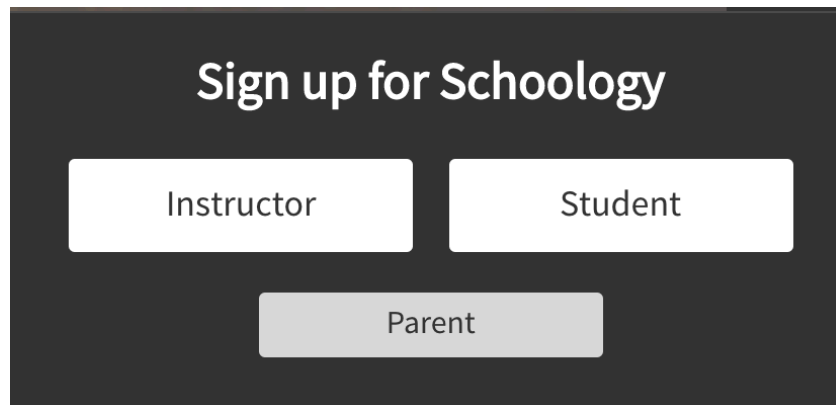


2. Introduction to Light-weight LMS and Their Roles on E-Assessment

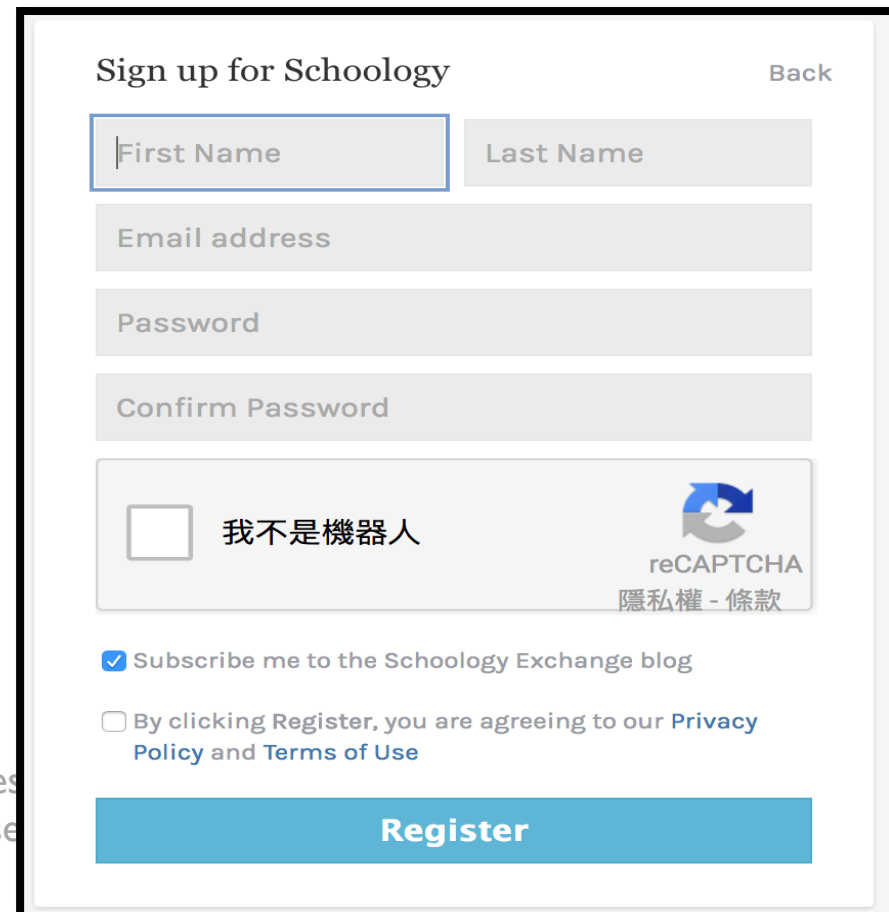
What is Light-weight LMS?

Introduction and hands-on of interactive LMS:

Schoology : <https://www.schoology.com/>



A dark-themed sign-up form for Schoology. The title "Sign up for Schoology" is at the top. Below it are three white buttons: "Instructor", "Student", and "Parent".



A detailed view of the Schoology sign-up form. The title "Sign up for Schoology" is at the top right, with a "Back" link. The form includes fields for "First Name", "Last Name", "Email address", "Password", and "Confirm Password". Below these is a reCAPTCHA section with a checkbox and the text "我不是機器人" (I am not a robot), and a reCAPTCHA logo with the text "reCAPTCHA 隱私權 - 條款". At the bottom, there are two checkboxes: "Subscribe me to the Schoology Exchange blog" (checked) and "By clicking Register, you are agreeing to our Privacy Policy and Terms of Use". A large blue "Register" button is at the bottom.

2. Introduction to Light-weight LMS and Their Roles on E-Assessment

What is Light-weight LMS?

Introduction and hands-on of interactive LMS:

Schoology : <https://www.schoology.com/>

The screenshot displays the Schoology LMS interface. The top navigation bar includes the Schoology logo, a 'Basic' tab, and links for Home, Courses, Groups, and Resources. The user's name, Mr. HO WAI, is visible in the top right corner. The main content area is divided into three sections:

- Recent Activity:** This section shows a post by Chi Hung Ha titled 'Flip Course@Macau CPTM: Section 1 Apps/Platform used on Day 1'. The post lists several educational tools: Screencast-o-matic (<http://www.screencast-o-matic.com/>), Kahoot! (<http://kahoot.com/>), Edpuzzle (<http://www.edpuzzle.com/>), Explain Everything (<https://explaineverything.com/>), and Touchcast Studio (<https://www.touchcast.com/studio/>). The post was made on Nov 11, 2017, at 3:47 pm.
- Reminders:** This section indicates that there are 162 pending review test/quiz submissions.
- Upcoming:** This section shows that there are no upcoming assignments or events.
- Suggested Groups:** This section lists three groups: Schoology Educators (35337 Members), Flipped Classrooms (28283 Members), and Blended Learning (21460 Members).












The left sidebar contains links to Recent Activity, Grades/Attendance, Calendar, Messages, People, Subscriptions, App Center, and Invite Colleagues. The bottom of the page features a 'Schoology Blog' section with three articles: 'How to Use Schoology for Staff Observation and Evaluation Par...', 'The Art of Building Exceptional Professional Development for ...', and 'Capture Brilliance in a Bottle | NEXT 2016's Leadership Sessions'.

2. Introduction to Light-weight LMS and Their Roles on E-Assessment

What is Light-weight LMS?

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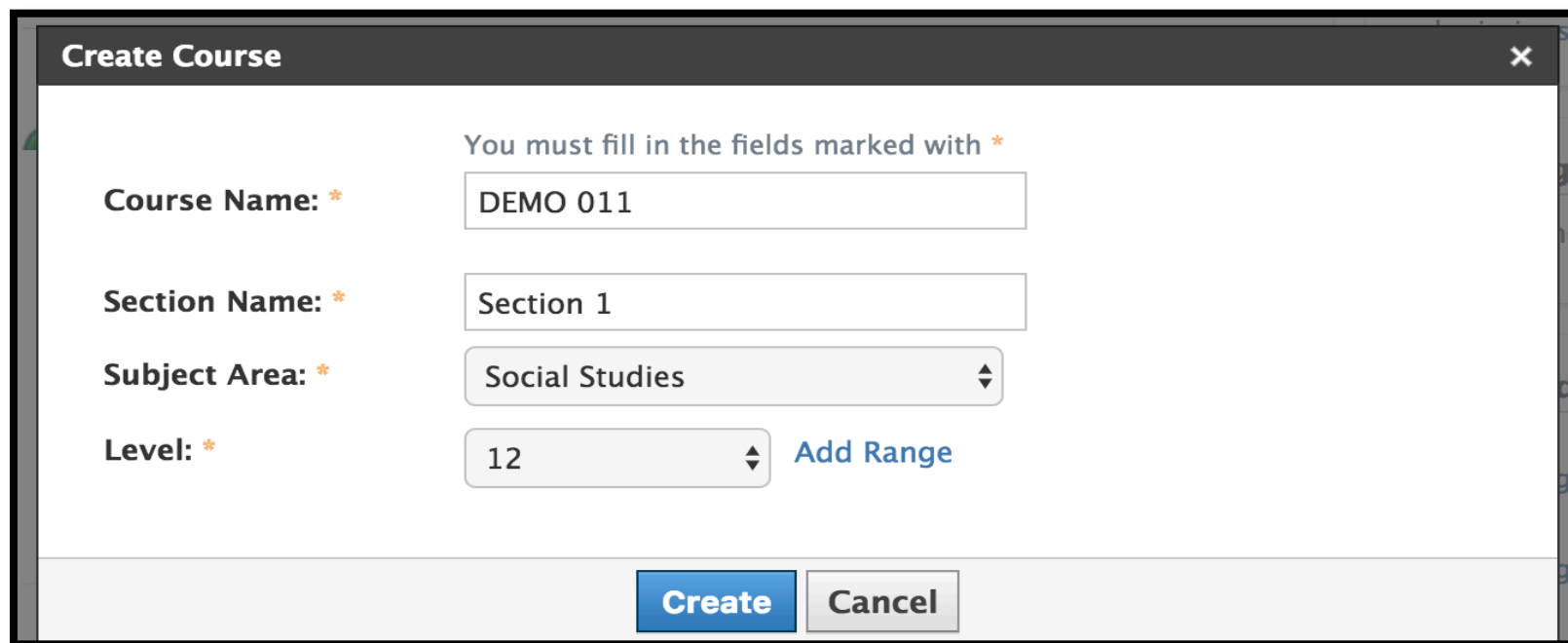
Courses ▾	Groups ▾	Resources ▾
	DEMO GEOG FLIP: Section 1 Lok Sin Tong Yu Kan Hing Secondary School	
	Flip Course@Macau CPTTM: Section 1 True Light Middle School of Hong Kong	
	LS DEMO HK TODAY: Section 1 Lok Sin Tong Yu Kan Hing Secondary School	
	S3 English: Group 3D Lok Sin Tong Yu Kan Hing Secondary School	
	中四地理教材: Section 1 Lok Sin Tong Yu Kan Hing Secondary School	
 Create	Join	 See All

2. Introduction to Light-weight LMS and Their Roles on E-Assessment

What is Light-weight LMS?

Introduction and hands-on of interactive LMS:

Schoology : <https://www.schoology.com/>



The screenshot shows a web form titled "Create Course" with a close button (X) in the top right corner. Below the title, a message states: "You must fill in the fields marked with *". The form contains four required fields, each with an asterisk icon:

- Course Name:** A text input field containing "DEMO 011".
- Section Name:** A text input field containing "Section 1".
- Subject Area:** A dropdown menu with "Social Studies" selected and a double-headed arrow icon.
- Level:** A dropdown menu with "12" selected and a double-headed arrow icon. To the right of this dropdown is a blue link labeled "Add Range".

At the bottom of the form, there are two buttons: a blue "Create" button and a grey "Cancel" button.

2. Introduction to Light-weight LMS and Their Roles on E-Assessment

What is Light-weight LMS?

Introduction and hands-on of interactive LMS:

Schoology : <https://www.schoology.com/>

Access Code
V8XJD-7M7KC

Reset

The screenshot shows the Schoology LMS interface. At the top, there's a navigation bar with the Schoology logo, a search icon, and links for Home, Courses, Groups, and Resources. The user's name, Mr. HO WAI, is displayed in the top right corner. Below the navigation bar, the course title 'DEMO 011: Section 1' is shown, along with the school name 'Lok Sin Tong Yu Kan Hing Secondary School'. A sidebar on the left contains a list of course options: Materials, Updates, Gradebook, Badges, Attendance, Members, and Analytics. The main content area is divided into two columns. The left column features a 'Get your course up and running by adding and organizing your materials' section, which includes a diagram of a folder and a list of materials: Unit 1: Introduction, Lesson One, Class Discussion, Homework Assignment, and Practice Quiz. The right column displays an 'Upcoming' section with a calendar icon and the text 'No upcoming assignments or events'. A green box in the bottom right corner of the interface contains the access code 'V8XJD-7M7KC' and a 'Reset' button.

DEMO 011: Section 1
Lok Sin Tong Yu Kan Hing Secondary School

Adding Your Materials
To add new materials to your course, click the "Add Materials" dropdown menu.

Organizing Your Materials
Drag and drop materials to reorder them, and use folders to organize units and lessons.
Learn more about course materials and best practices

Upcoming · 29
No upcoming assignments or events

Access Code
V8XJD-7M7KC

3. E-assessment and Social Network



3. E-assessment and Social Network

What is Light-weight LMS?

Edmodo vs facebook

How to use social network to facilitate e-assessment



VS.



Social network

Simple

Handles events

Shares photos and videos

Handles grades

Teacher controlled

Private and education-oriented

Known audience

Social network

Simple

Handles events

Shares photos and videos

- No grading
- No teacher control
- Public and unregulated
- Unknown audience

3. E-assessment and Social Network

Introduction of Edmodo

- Teacher and Student connection
- Assessment tool and personalization
- Sending notes/ poll/ grouping/ resources posting
- Facilitation with Flipped Classroom Video

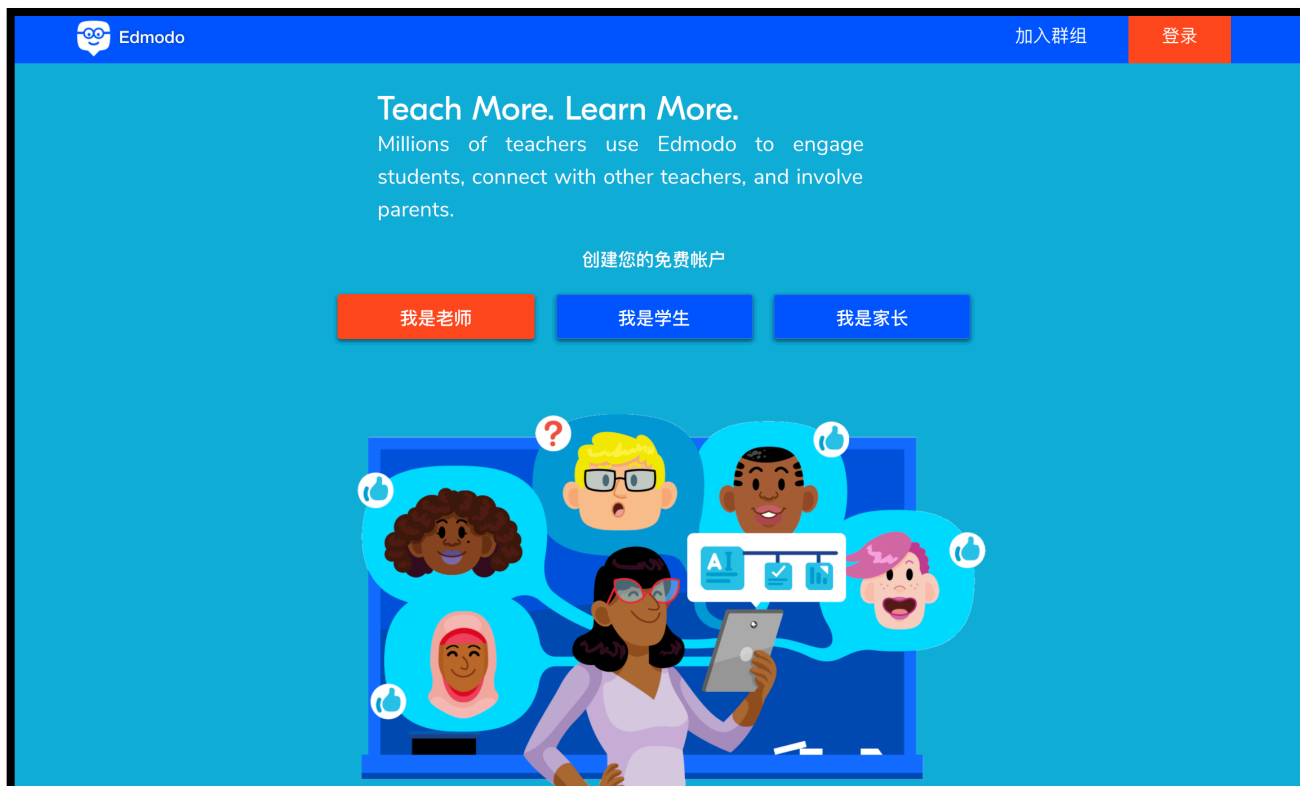


3. E-assessment and Social Network

步驟一：

到 <http://www.edmodo.com/>，按下“I'm a Teacher”進行註冊

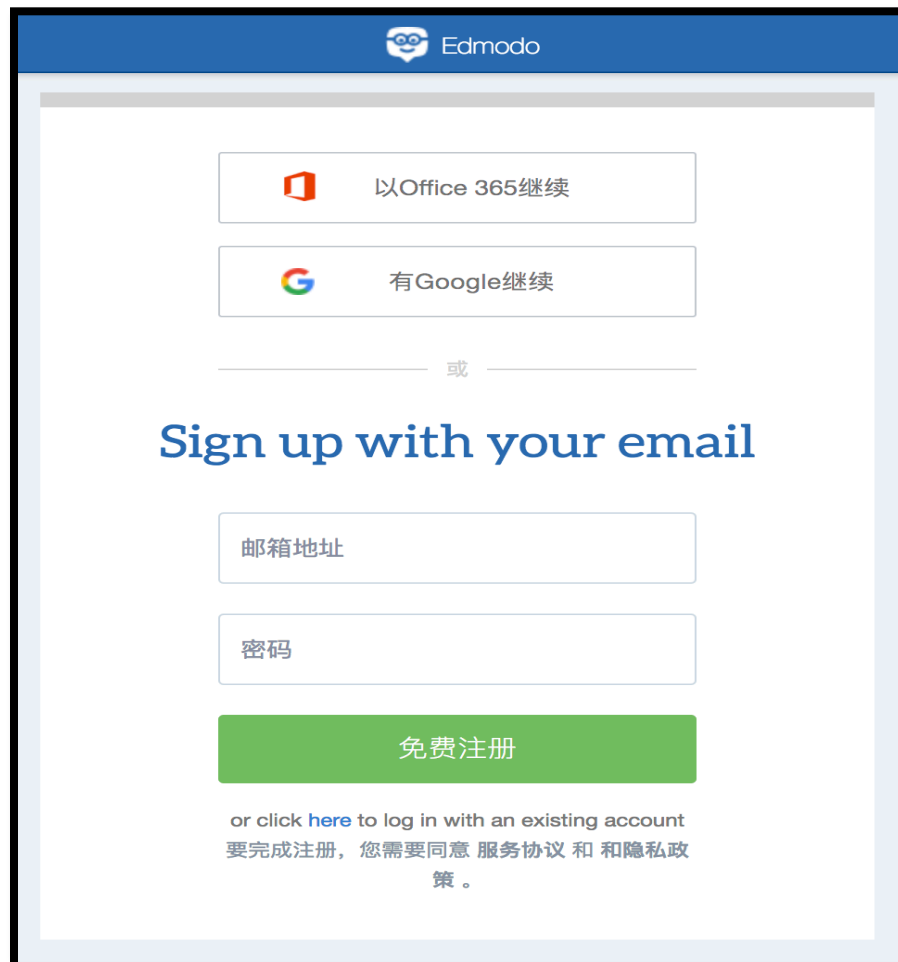
- *老師帳戶 – 必須提供電郵作註冊，功能較多
- *學生帳戶 – 不須提供電郵



3. E-assessment and Social Network

步驟二：

先填寫基本資料，再剔選同意使用條款，最後按“Sign up”（免費註冊）（也可用 Google 或 Office 365 戶口登入）



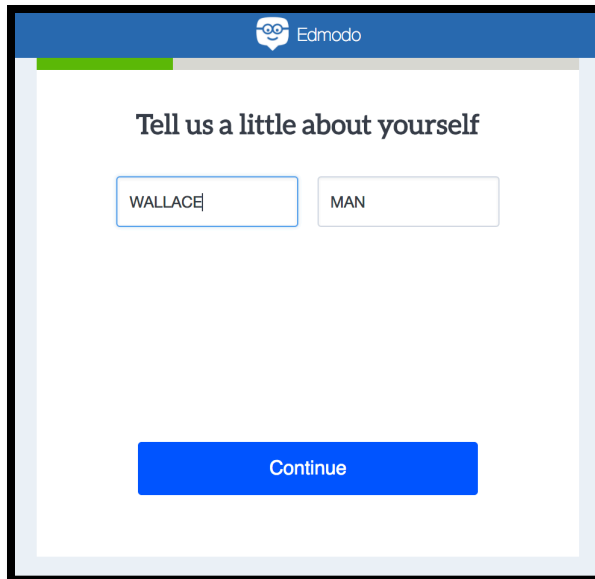
The image shows the Edmodo sign-up page. At the top is the Edmodo logo. Below it are two buttons for social login: '以Office 365继续' (Continue with Office 365) and '有Google继续' (Continue with Google). A separator line with the character '或' (or) is in the middle. Below this is the heading 'Sign up with your email'. There are two input fields: '邮箱地址' (Email address) and '密码' (Password). A green button labeled '免费注册' (Free registration) is below the fields. At the bottom, there is a link: 'or click [here](#) to log in with an existing account' followed by the text '要完成注册，您需要同意 服务协议 和 隐私政策。' (To complete registration, you need to agree to the Terms of Service and Privacy Policy).



3. E-assessment and Social Network

步驟三：

填入相關戶口資訊

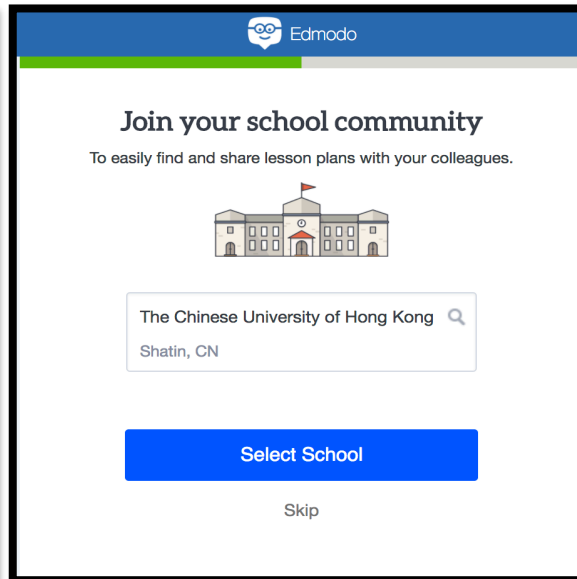


Edmodo

Tell us a little about yourself

WALLACE MAN


Continue




Edmodo

Join your school community

To easily find and share lesson plans with your colleagues.

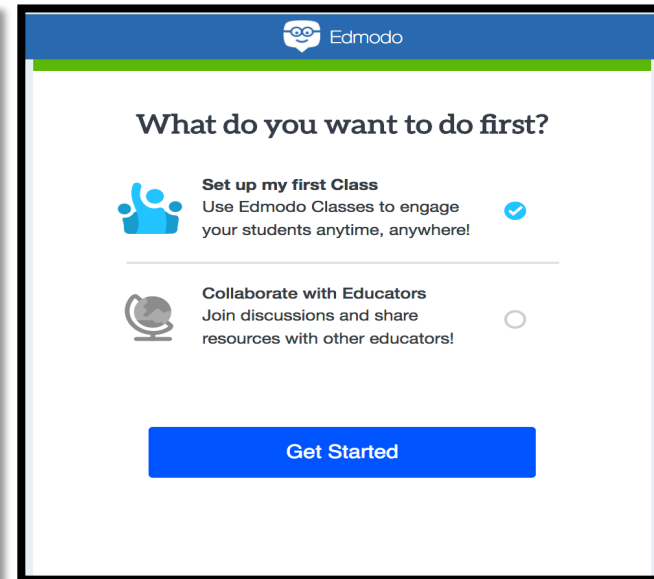


The Chinese University of Hong Kong 

Shatin, CN


Select School


Skip



Edmodo

What do you want to do first?

 **Set up my first Class**
Use Edmodo Classes to engage your students anytime, anywhere! ☒

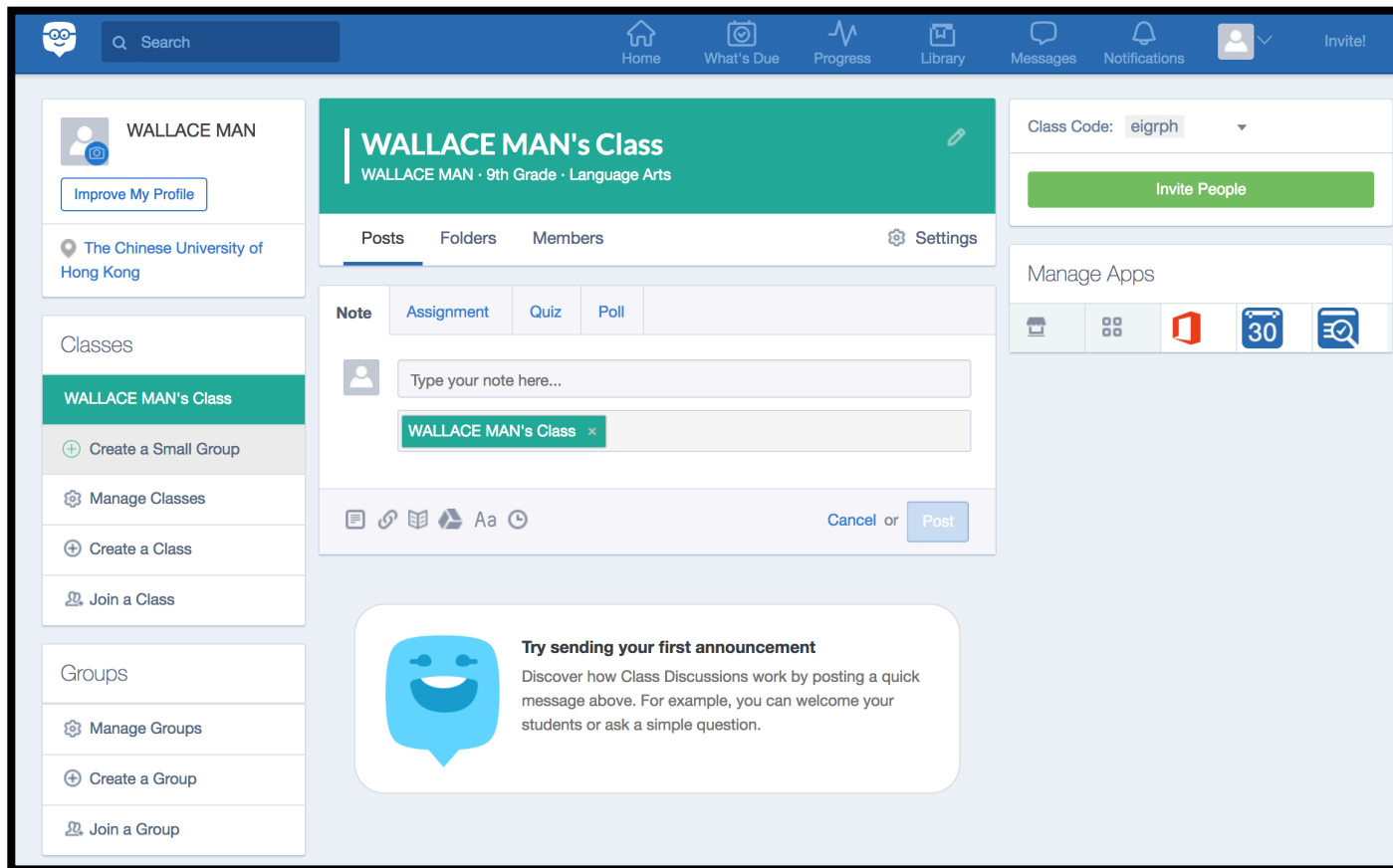
 **Collaborate with Educators**
Join discussions and share resources with other educators! ☐

Get Started

3. E-assessment and Social Network

步驟四：

- 到達個人網頁, 介面和 Facebook 類似
- 老師可按下左面“Create a Small Group”建立一個新群組，並為群組設定名稱及類別。



3. E-assessment and Social Network

步驟五：

填入相關 SMALL GROUP 資訊

Create Small Group

CUHK DEMO

Create



WALLACE MAN

Improve My Profile

The Chinese University of Hong Kong

Classes

WALLACE MAN's Class

CUHK DEMO

Create a Small Group

Manage Classes

Create a Class

Join a Class

Groups

Manage Groups

Create a Group

CUHK DEMO

Small group for WALLACE MAN's Class

Posts

Folders

Members

Settings

Note

Assignment

Quiz

Poll



CUHK DEMO

CUHK DEMO

Cancel or Post



Try sending your first announcement

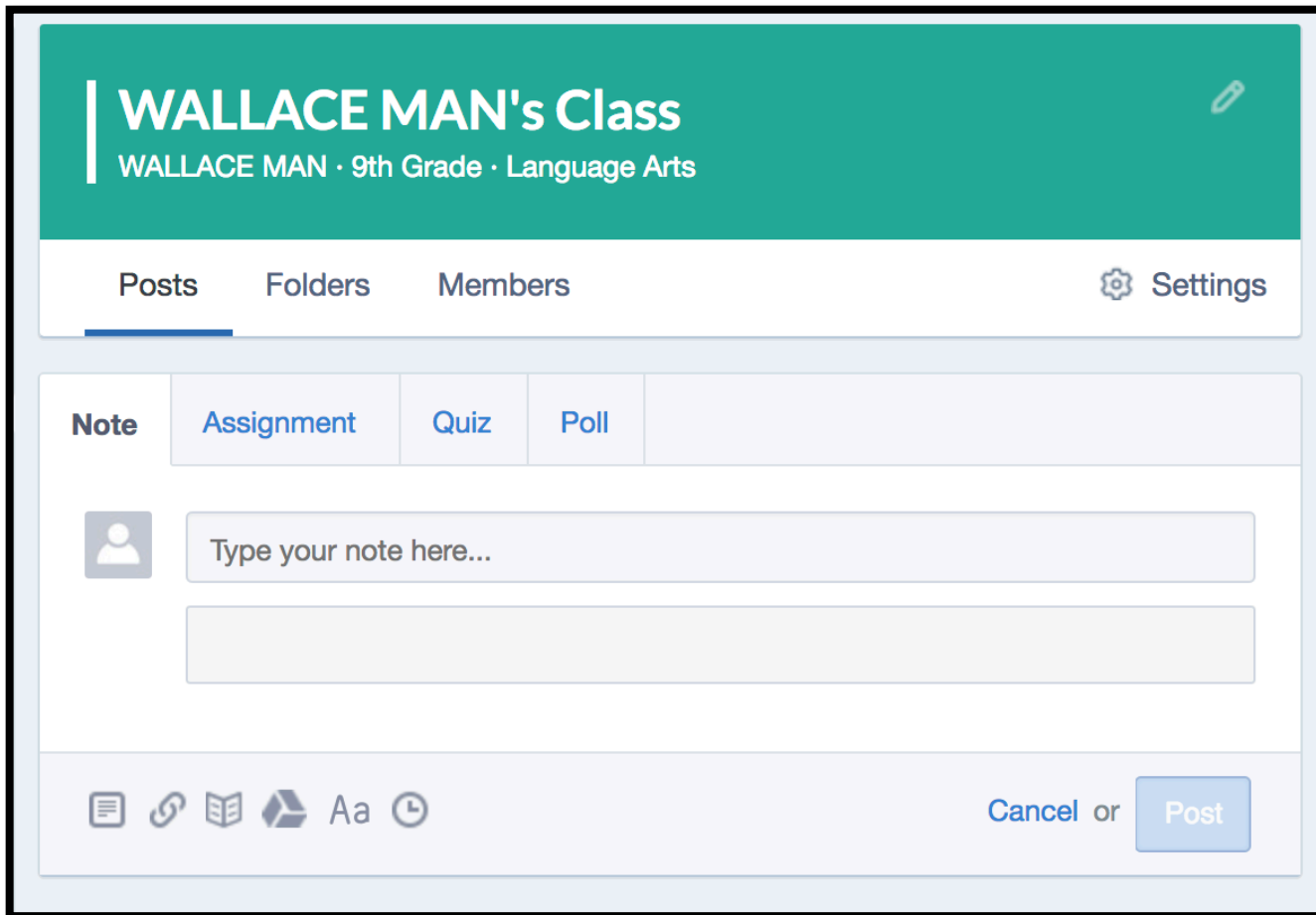
Discover how Class Discussions work by posting a quick message above. For example, you can welcome your students or ask a simple question.



3. E-assessment and Social Network

步驟六：

- Posts 內有四個選項：Notes, Assignment, Quiz, Poll
- Note 可加入筆記（可以加入附件/連結/Google Drive）



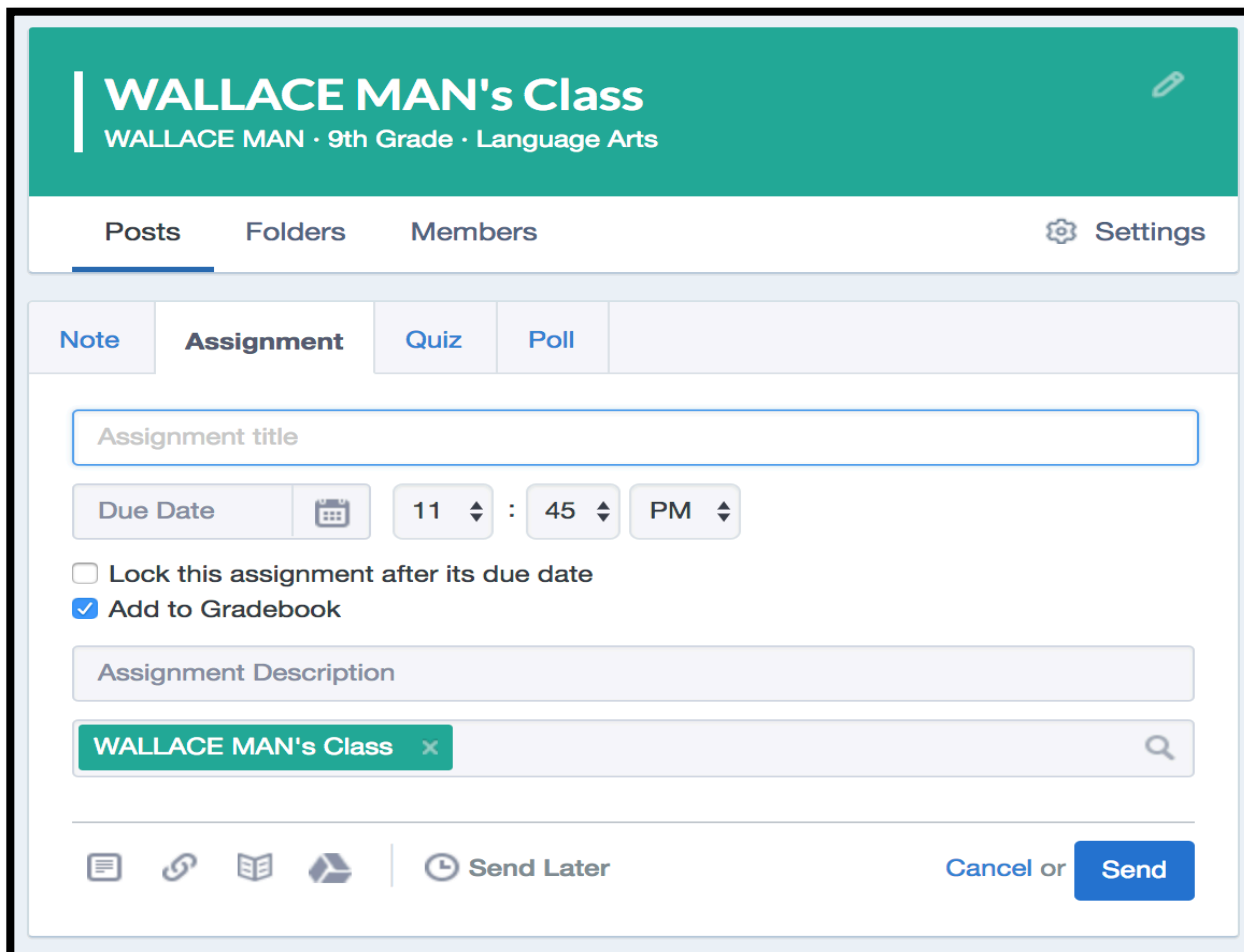
The screenshot displays the 'WALLACE MAN's Class' social network interface. The header is teal with the class name and 'WALLACE MAN · 9th Grade · Language Arts'. Below the header are tabs for 'Posts', 'Folders', and 'Members', along with a 'Settings' gear icon. A row of buttons allows selecting the post type: 'Note' (selected), 'Assignment', 'Quiz', and 'Poll'. The 'Note' section features a user profile icon, a text input field with the placeholder 'Type your note here...', and a larger area for attachments. At the bottom, there are icons for text, links, images, and documents, followed by 'Aa' for formatting and a clock icon. On the right, there are 'Cancel or' and 'Post' buttons.



3. E-assessment and Social Network

步驟七：

- Assignment 可加入家課 及 設定功課提交日
(可以加入附件/連結/GoogleDrive)



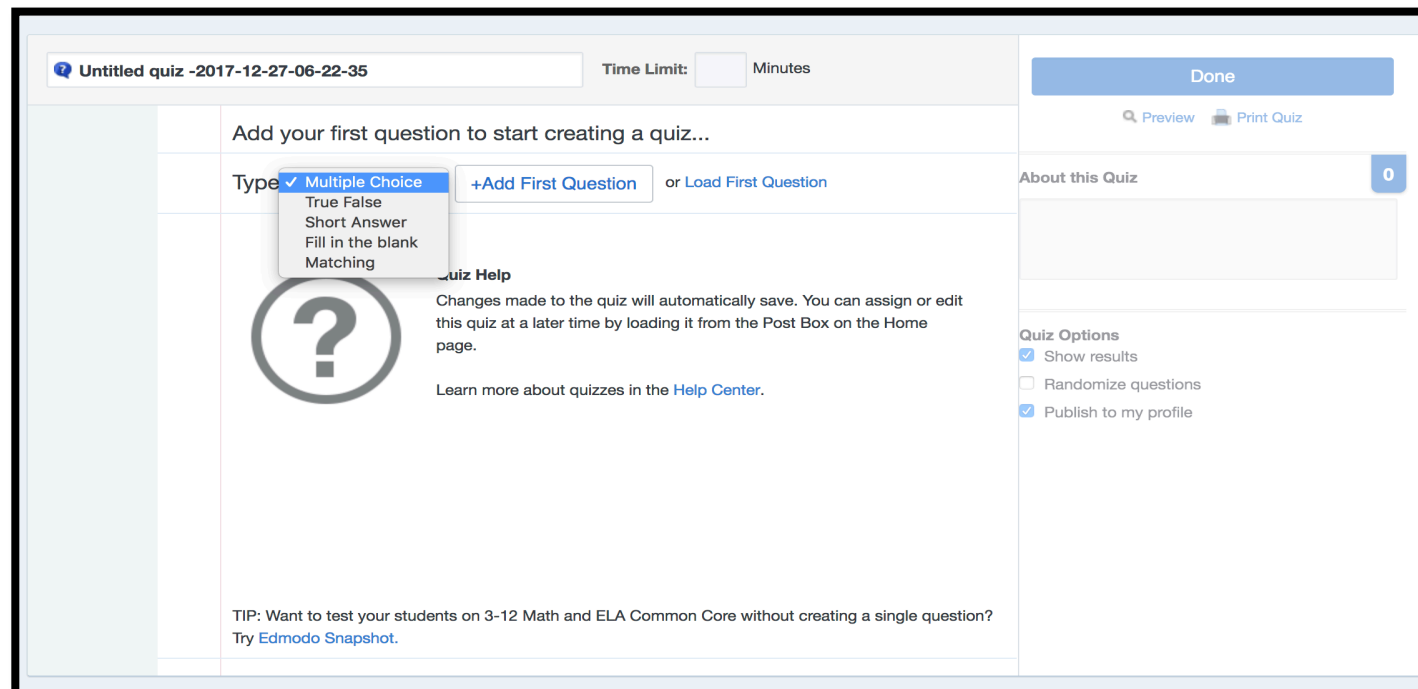
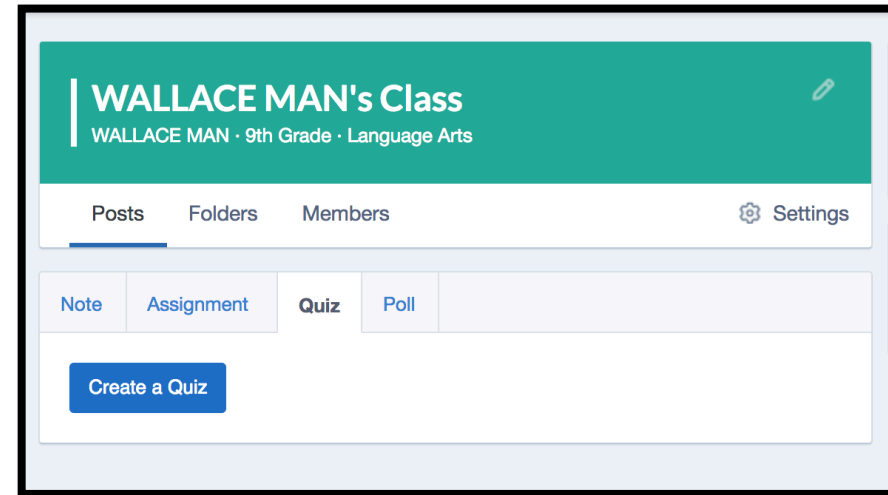
The screenshot shows the 'WALLACE MAN's Class' interface for creating an assignment. The header bar is teal with the class name and 'WALLACE MAN · 9th Grade · Language Arts'. Below the header are tabs for 'Posts', 'Folders', 'Members', and 'Settings'. The main content area has tabs for 'Note', 'Assignment' (selected), 'Quiz', and 'Poll'. The 'Assignment' form includes a text input for 'Assignment title', a 'Due Date' section with a calendar icon and a time selector set to 11:45 PM, and two checkboxes: 'Lock this assignment after its due date' (unchecked) and 'Add to Gradebook' (checked). Below these is a text area for 'Assignment Description'. At the bottom, there is a search bar with 'WALLACE MAN's Class' entered, a search icon, and a row of icons for document, link, book, and folder. To the right of these icons is a 'Send Later' button with a clock icon. At the bottom right are 'Cancel or' and 'Send' buttons.



3. E-assessment and Social Network

步驟八：

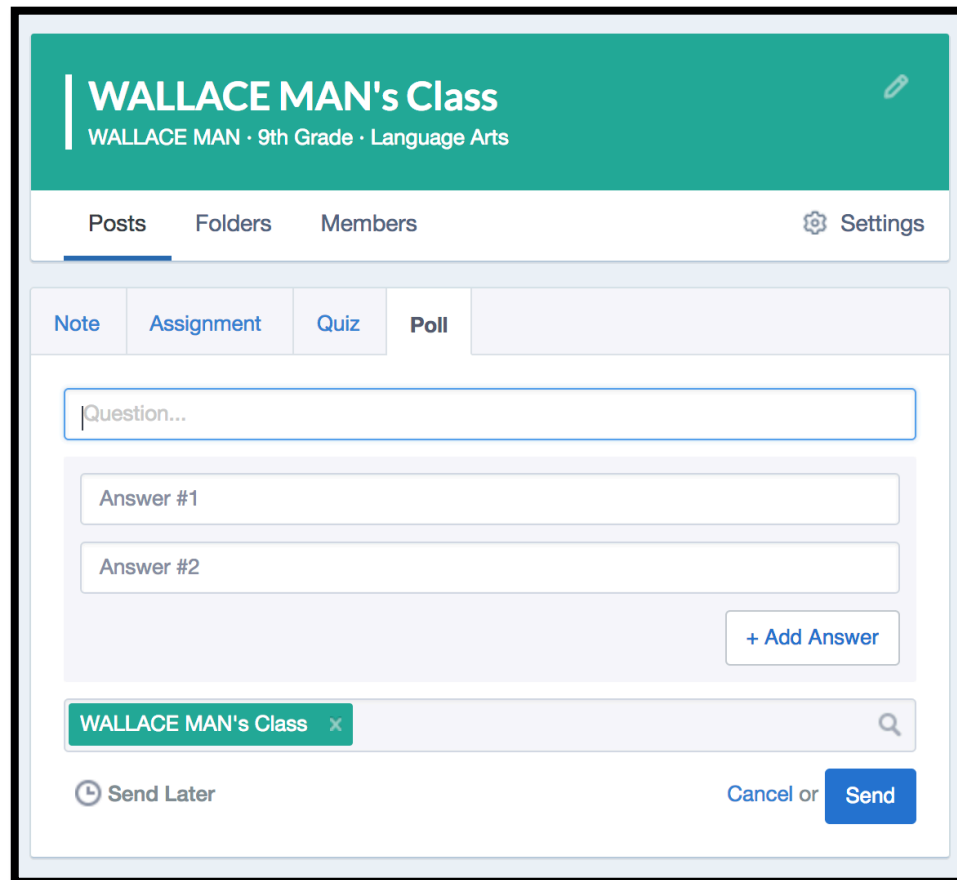
- Quiz 可加入測驗 及 設定功課提交日
- 題型：MC/ TF/ SQ/ Fill in Blank/ Matching



3. E-assessment and Social Network

步驟九：

- Poll 可加入投票
- 在空白位置輸入問題，然後輸入答案，老師亦可按“+ Add Answer”增加答案。完成後按“Send”。



The screenshot displays the 'WALLACE MAN's Class' social network interface. The header bar is teal with the class name and 'WALLACE MAN · 9th Grade · Language Arts'. Below the header, there are tabs for 'Posts', 'Folders', and 'Members', along with a 'Settings' gear icon. The main content area has tabs for 'Note', 'Assignment', 'Quiz', and 'Poll'. The 'Poll' tab is selected, showing a form with a 'Question...' input field, two 'Answer #' input fields, and a '+ Add Answer' button. At the bottom, there is a 'Send Later' clock icon, a 'Cancel or' label, and a 'Send' button. A search bar at the bottom left shows 'WALLACE MAN's Class' with a magnifying glass icon.





香港考試及評核局
Hong Kong
Examinations and
Assessment Authority



4. Assessment Quality-assurance Platform (AQP) ***HKEAA***

Why AQP?

評核質素保證平台
(Assessment Quality-
assurance Platform, AQP)
是一套由香港考試及評核局
開發的自動化網上系統。

AQP 利用 **統計**和**心理測量**
等現代評核科技**分析測考試**
題，以保證題目的**質素**。



AQP 帶來什麼好處？

- 評核是對學生學習的重要回饋之一，而評核的可靠性與命題及試卷設計息息相關。
- AQP 以客觀科學的方法分析學生的得分模式，計算出各種指標。老師可利用這些指標深入分析學生的學習差異，從而修訂教學，實踐「評核促進學習」。
- 這些指標亦有助老師辨認出存在缺陷的題目或試卷，以便改善日後的命題和評核設計。
- 總括來說，AQP 是幫助學校提升評核質素的有效工具。

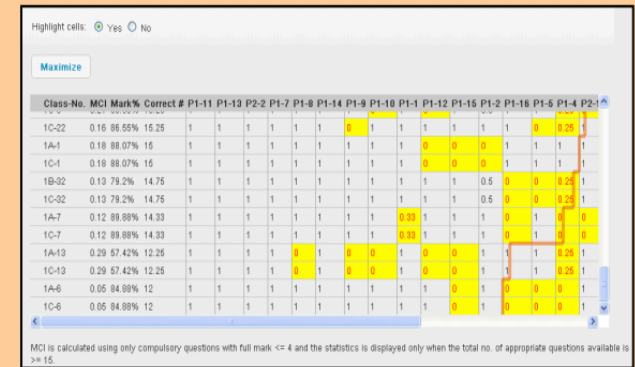


AQP 有什麼特點？

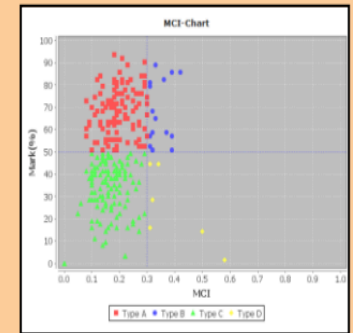
1. 操作簡易 AQP 是一套網上系統，老師基本上只需按視窗的指示操作，便可輕易完成分析。AQP 能讀取和輸出 Excel 檔案，方便老師與其他系統交換數據。
2. 功能齊全 AQP 提供不同層次的分析。當中包括多種統計指標，並提供表列和圖表等顯示結果的選擇，配合不同的工作需要。同時設有試題庫功能，方便「度身訂造」最符合學生學習需要的試卷或練習。

學生分析

學生題目表 (S-P chart)



題目與受試者能力圖 (item-person map) 修正注意系數 (MCI)



AQP 有什麼特點？

- 安全可靠 AQP 以加密的程序保障數據傳輸的安全性。用戶管理亦十分靈活，學校可以根據需要自訂用戶的權限。
- 技術支援 考評局設有專線解答有關 AQP 操作和應用的技術支援問題。

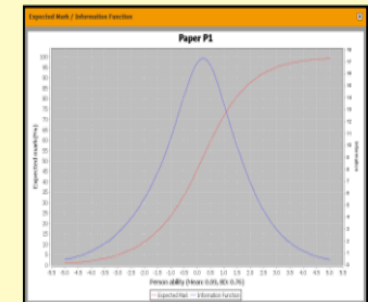
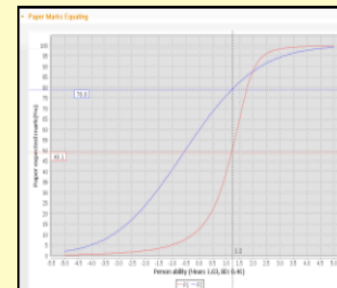
試卷分析

基本統計(basic statistics) 信度(reliability)

Figures Table

Paper	Weight	Que.#	Full Mark	Attempt Rate	Mean	SD	Min.	25th	Median	75th	Max.	Reli.	SEM	
P1	/	26	66.00	100.00%	74.98%	11.43%	54.66%	67.27%	74.66%	81.82%	98.18%	0.69	7.00%	>>
P2	/	9	3.00	100.00%	70.71%	10.96%	66.67%	66.67%	66.67%	66.67%	100.00%	-6.43	27.80%	>>

IRT 分析(IRT analysis)



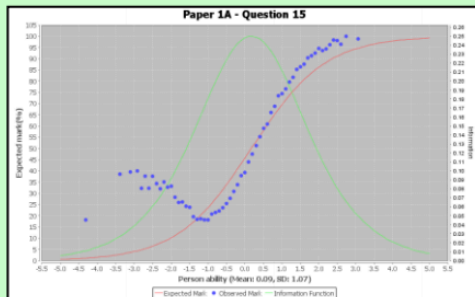
AQP 有什麼特點？

題目分析

難度(difficulty) 區分度(discrimination) 偏差(bias) 擬合度(fit)

Figures Table

Paper	Ques. No.	(I)	Type	Full Mark	Weight	Elective	Attempt Rate	Mean	SD	Diff.	Alpha w/s	Disc.	Fit
P1	1	1	Non-MC	4.00	0.20	/	100.00%	81.92%	20.02%	0.82	0.82	0.82	0.82
P1	2	2	Non-MC	2.00	0.30	/	100.00%	89.30%	27.67%	0.59	0.59	0.59	0.59
P1	3	3	Non-MC	2.00	0.40	/	100.00%	86.08%	47.65%	0.82	0.82	0.82	0.82
P1	4	4	Non-MC	4.00	0.40	/	100.00%	82.89%	44.34%	0.55	0.55	0.55	0.55
P1	5	5	Non-MC	2.00	2.80	/	100.00%	74.24%	43.18%	0.59	0.59	0.59	0.59
P1	6	6	Non-MC	2.00	2.80	/	100.00%	26.36%	48.47%	0.55	0.55	0.55	0.55
P1	7	7	Non-MC	2.00	2.80	/	100.00%	96.97%	17.27%	0.80	0.80	0.80	0.80
P1	8	8	Non-MC	2.00	2.80	/	100.00%	96.97%	17.27%	0.58	0.58	0.58	0.58
P1	9	9	Non-MC	2.00	2.80	/	100.00%	90.91%	28.97%	0.58	0.58	0.58	0.58
P1	10	10	Non-MC	2.00	2.80	/	100.00%	90.91%	28.97%	0.58	0.58	0.58	0.58
P1	11	11	Non-MC	2.00	3.80	/	100.00%	100.00%	0.00%	0.58	0.58	0.58	0.58



試題庫及自動組合試題

題目範疇(item category) 題目程度(level)

Type	Category	Level	ID
Non-MC	Number	Fundamental	/
Non-MC	Sequence	Intermediate	/
Non-MC	Sequence	Intermediate	/
Non-MC	Number	Fundamental	ae1
Non-MC	Number	Fundamental	/
Non-MC	Sequence	Intermediate	/
Non-MC	Sequence	Intermediate	/
Non-MC	Algebraic relation	Intermediate	/
Non-MC	Number	Fundamental	/
Non-MC	Sequence	Intermediate	/
Non-MC	Sequence	Intermediate	/
Non-MC	Algebraic relation	Intermediate	/
Non-MC	Number	Fundamental	/
Non-MC	Sequence	Intermediate	/
Non-MC	Sequence	Intermediate	/
Non-MC	Algebraic relation	Intermediate	/

ID (Item Bank Question): ae1		
	Question	ae1
Basic		
Category	Number	Number
Level	Fundamental	Fundamental
Type	Non-MC	Non-MC
Full Mark	4.0	4.0
Sub Item Count	1	1
Statistics		
Corrected p-value	/	/
UBF	61.94	82.36
ITC	0.6	0.0
PBC	/	/
IMS	0.85	0.98
OMS	0.8	0.93

Update Statistics



AQP 的 123

1

個數據輸入檔案

Excel: 列 – 學生，欄 – 題目



2

套測驗理論

經典測驗理論 Classical Test Theory

題目反應理論 Item Response Theory



ASSESSMENT
QUALITY ASSURANCE
PLATFORM
評核質素保證平台

3

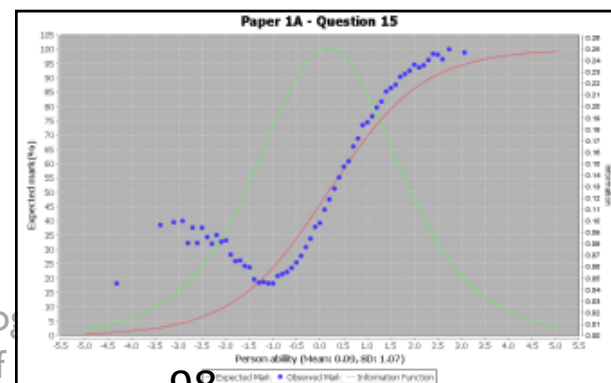
層面分析報告

試卷層面

題目層面

學生層面

Centre for Learning Sciences and Technology
The Chinese University of Hong Kong




AQP

<https://aqp.hkeaa.edu.hk/>

English 简体中文 繁體中文

FAQ

香港考試及評核局
Hong Kong
Examinations and
Assessment Authority

 ASSESSMENT
QUALITY ASSURANCE
PLATFORM
評核質素保證平台



Organization Code:

Username:

Password:

Remember Me: ☒

Login

FAQ1: 應該用什麼帳號登入AQP?	
FAQ2: 首次以用戶帳號登入AQP的程序如何?	
FAQ3: 如何準備數據檔?	 成績分析數據檔案範本 (AQP Result Analysis Template).xlsx
FAQ4: 如何進行成績分析?	
FAQ5: 如何解讀分析結果?	
FAQ6: 如何使用試題庫?	
FAQ7: 如何使用輸入分數功能?	 學生輸入分數檔案範本 (AQP Mark Input Template)
FAQ8: 忘記密碼怎麼辦?	

#

輸入數據注意事項

1. 分析應包括**全部**有參與測驗的學生
(完成分析後可以利用篩選功能，取得個別班的分析結果)
2. 不要輸入含小數位的分數
3. 多作嘗試，並善用技術支援
aqp@hkeaa.edu.hk
3628 8503

判讀報告注意事項

1. 分析報告的結果可能受學生數目或/和題目數量等因素影響
2. 報告按指標的數值作出提示，出現提示並不代表題目必定存在缺陷
3. 分析報告的結果不應作為教員績效評核的依據

評估促進學習



網絡圖片

спасибо 谢谢
GRACIAS
THANK YOU
 ありがとうございます **MERCI**
DANKE धन्यवाद
 شُكراً **OBRIGADO**



5. Discussion of Assignment



6. Discussion of Assignment

Briefing of the home assignment (Designing a plan for e-assessment)

- Participants have to complete the assignment before attending Session 2
- File name: CUHK_CLST_R2AA_EA (XXX)
- Email as Attachment

姓名	陳大文	評估類型	持續性評估 總結性評估
班別	小四	評估活動	EDMODO : 課堂前：同學四人一組，根據不同持份者角色作分工， 在 EDMODO 中建構不同持份者的論點論據 課堂中： KAHOOT! 互動探討，提出質詢，完堂前通過 KAHOOT! 作鞏固 課堂後：EDMODO 就不同持份者的論點論據作整合歸納， 在 EDMODO 中給建議有關當局如何優化策略
科目	常識科	評估工具	LMS Edmodo Kahoot !
教學活動	認識可持續發展的市區更新策略 探討如何在經濟發現與文化保育中作平衡 課堂前： 同學四人一組，根據不同持份者角色作分工 建構不同持份者的論點論據 課堂中： 課堂中作互動探討，提出質詢 課堂後： 就不同持份者的論點論據作整合歸納， 給建議有關當局如何優化策略		



參考

[https://drive.google.com/drive/folders/
1TtNGblZ4G3921b8gdH12EN6ptUjjMqjR?
usp=sharing](https://drive.google.com/drive/folders/1TtNGblZ4G3921b8gdH12EN6ptUjjMqjR?usp=sharing)

聯絡

Mobile: 6112 2400 (Mr. MAN)

Email: wallace_mhw@alumni.cuhk.net

