

資訊科技教育教學法系列：
在小學策略性運用電子評估設計教學活動
以提升學與教效能
(第一節)



ASSESSMENT

香港中文大學學習科學與科技中心

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



小學 AA 班

第一節

日期：2018/04/20 (星期五)

時間：18:30 - 21:30

地點：香港中文大學崇基校園信和樓614室

第二節

日期：2018/04/27 (星期四)

時間：18:30 - 21:30

地點：香港中文大學崇基校園信和樓614室



課程目標

本課程旨在介紹教師如何於電子評估運用資訊科技工具及創新教學法，以提升小學/中學的學與教效能。透過本課程讓學員：

- a) 了解電子評估的基本概念；
- b) 了解電子評估及相關資訊科技工具的特點、優勢和限制；
- c) 透過個案研究，了解如何在課前、課堂中和課後運用各種教學法實踐電子評估，以加強學生的學習效能；
- d) 適當運用資訊科技工具及學習管理系統（LMS）設計課程，並在課前、課堂中及課後進行電子評估，以提升學與教效能



課程目標

- e) 運用免費的資訊科技工具和LMS（例如Kahoot、Quizizz、Plickers等）創造簡單的電子評估活動；
- f) 運用和分析電子評估數據，並提供回饋，以改進學與教效能；及
- g) 了解和比較市場上各種電子評估平台的功能，並充分應用這些平台於不同科目的教學活動



課程詳情

第一節

1. 概述評估及電子評估
2. 討論不同 小型電子評估 工具（如Kahoot、Quizizz、Plickers等）及其應用於電子評估的角色
3. 討論應用社交電子學習平台 LMS（如Edmodo）以促進電子評估
4. 討論HKEAA評核質素保證平台(Assessment Quality-assurance Platform, AQP)
5. 課業討論

課程詳情

第二節

1. 課業討論及回饋
2. 討論應用 LMS 為不同學科的電子評估工具
3. 介紹整合 電子評估平台 (如Google Classroom 、Microsoft Office 365等)
4. 討論香港教育城的STAR平台
5. 討論於學校實施電子評估的教學考慮因素及行政安排
6. 討論、問與答及課程總結



課程詳情

第一節

1. 概述評估及電子評估
2. 討論不同 小型電子評估 工具（如Kahoot、Quizizz、Plickers等）及其應用於電子評估的角色
3. 討論應用社交電子學習平台 LMS（如Edmodo）以促進電子評估
4. 介紹整合 電子評估平台（如Google Classroom、Microsoft Office 365等）
5. 課業討論



1. Overview of Assessment and E-Assessment



1. Overview of Assessment and E-Assessment

1. Definitions of e-Assessment
2. Different types of Assessment
3. Different online e-Assessment tools
4. Benefits and Barriers to using e-Assessment



1. Overview of Assessment and E-Assessment

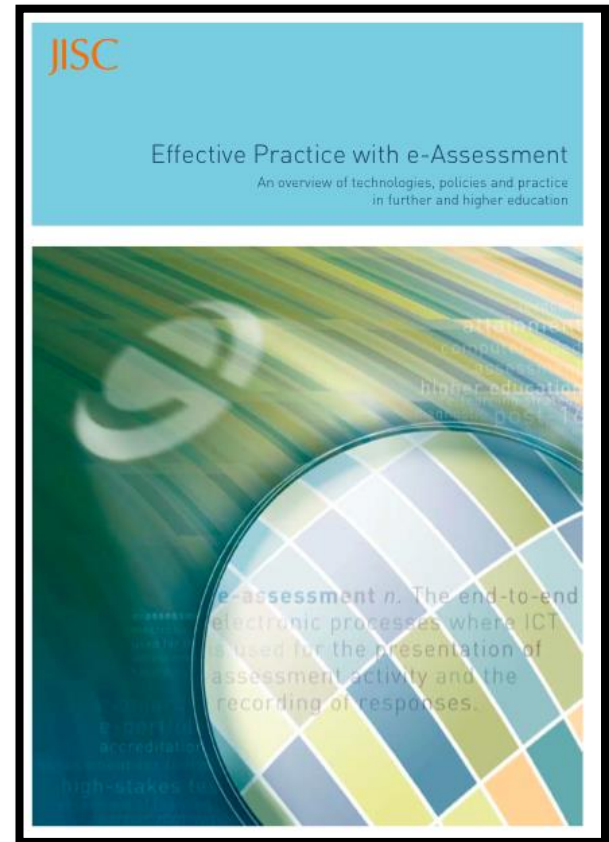
Definition of e-Assessment

JISC (2007) define e-Assessment as:

*'the end-to-end electronic assessment processes where **ICT** is used for the **presentation of assessment activity**, and the **recording of responses**' (p6).*

Available at:

http://www.jisc.ac.uk/publications/programmerelated/2007/pub_eassesspracticeguide.aspx



1. Overview of Assessment and E-Assessment

Different Definitions of e-Assessment

Activity

*What are the **similarities** between different definitions of e-Assessment?*

1. Read the different e-Assessment definitions provided in table 1.
2. What are the **similarities** between the different definitions of e-Assessment?
3. Refer back to your original e-Assessment statement and amend accordingly.



1. Overview of Assessment and E-Assessment

Different Definitions of e-Assessment

Definition	Source
The use of information technology for any assessment-related activity .	Wikipedia: http://en.wikipedia.org/wiki/E-assessment
E-assessment as a single term describes a range of learning and assessment activities that have distinct meanings in their own contexts e.g. electronic marking, online assessment, computer-aided assessment and direct on-screen testing are all referred to as e-assessment.'	e-Assessment Association: http://eaadev.ecomscotland.net/e-assessment-toolkit
e-Assessment is often seen as providing a partial solution to providing assessment for increasing numbers of students and declining staff to student ratios (Sim et al., 2004).	cited in Effective use of VLEs: http://www.jiscinfonet.ac.uk/infoKits/effective-use-of-VLEs/index_html

Table 1: e-Assessment Definitions

1. Overview of Assessment and E-Assessment

The Two Parts to e-Assessment

e-Assessment consists of two components that are interrelated; one can not exist without the other.

These two components are:

1. The 'e' component;
2. The 'assessment' component.

The 'assessment' component will be explained briefly since this is key component of e-Assessment.

1. Overview of Assessment and E-Assessment

What is Assessment?

The following extract from Dylan William's paper, *What **assessment can and can not do*** , provides a clear summary of what assessment is.

- *Assessment is a **central process** in education.*
- ***If** students learned what they were taught, we would never need to assess; we could instead just keep records of what we had taught.*
- ***But** as every teacher knows, many students do not learn what they are taught. Indeed, when we look at their work, we sometimes wonder if they were even present in the classroom.*

1. Overview of Assessment and E-Assessment

What is Assessment?

The following extract from Dylan William's paper, *What **assessment can and can not do*** , provides a clear summary of what assessment is.

*In fact, it is **impossible to predict** with any certainty what students will learn as the result of a particular sequence of classroom activities.*

*And because we cannot teach well without finding out **where our students are starting from**, we have to **assess**.*

1. Overview of Assessment and E-Assessment

What is Assessment?

The following extract from Dylan William's paper, *What **assessment can and can not do*** , provides a clear summary of what assessment is.

*Even if all our students started out at the same point (a highly unlikely situation!), **each of them will have reached different understandings of the material** being studied within a very short period of time.*

*That is why assessment is the bridge between teaching and learning—it is only through assessment that we can **find out whether what has happened in the classroom has produced the learning we intended.***

1. Overview of Assessment and E-Assessment

What is Assessment?

JISC (2007) provide a summarized description of what is assessment where they see it as having **two main purposes** within further and higher education:

1. To **assist** learning
2. To determine the **effectiveness** of the education system

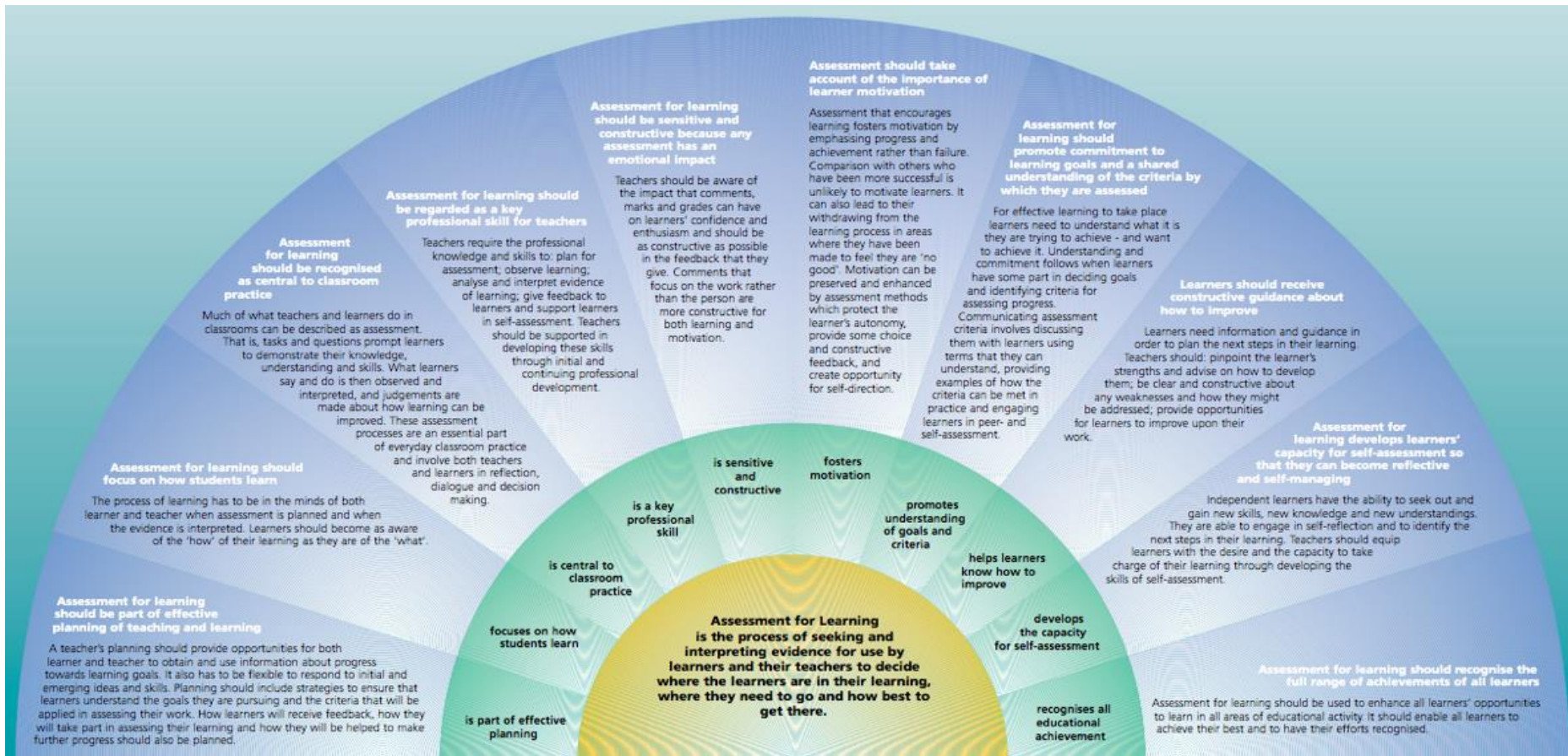
1. Overview of Assessment and E-Assessment

What is Assessment?

- Assessment is therefore deemed necessary to assess learners' current skills or knowledge and understanding of concepts to ensure that future learning material is developed that meets the needs of all learners.
- Assessment is also necessary to evaluate an educational programme to ensure that the content and structure is appropriate and effective.
- It is therefore important that the purpose of any assessment and the methods used are rigorous and reliable through adhering to the ten principles of assessment.

1. Overview of Assessment and E-Assessment

Ten Principles of Assessment



Research-based principles of assessment for learning to guide classroom practice

Assessment for Learning

1. Overview of Assessment and E-Assessment

Ten Principles of Assessment

(LIVERPOOL JOHN MOORES UNIVERSITY (LJMU) provide a similar set of ten principles of assessment:

Principle 1

Assessment **facilitates student learning** and informs and supports student progression

Principle 2

Assessment is an **integral part of the course design process**, appropriately aligned with learning outcomes

Principle 3

Assessment must be **inclusive and accessible**

Principle 4

There are **clear and consistent** assessment criteria

Principle 5

Assessment is **transparent**



1. Overview of Assessment and E-Assessment

Ten Principles of Assessment

(LIVERPOOL JOHN MOORES UNIVERSITY (LJMU) provide a similar set of ten principles of assessment:

Principle 6

Assessment is **valid, reliable** and free of bias

Principle 7

Students have a **responsibility to actively** and **honestly engage** in the assessment process

Principle 8

Students are provided with **feedback on assessment** which is timely, which promotes learning and **facilitates improvement**

Principle 9

The management of assessment is **efficient and effective**, especially with regard to the amount and timings of assessment and staff and student workloads

Principle 10

Assessment of students is underpinned by **appropriate staff development**

1. Overview of Assessment and E-Assessment

Activity :

*Watch this innovative video and take notes related to **what is assessment**, **why assess** and **how to assess**:*

http://www.youtube.com/watch?v=c_gibuFZXZw&feature=related



1. Overview of Assessment and E-Assessment

Types of Assessment

Diagnostic Assessment 診斷性評估.

Diagnostic assessment is used to **diagnose the level of learning** that has been achieved by our students, and is generally used at the **beginning of course** units for staff to determine the level at which they should be aiming their teaching, or to suggest to staff (or students self assess themselves) the level of support that may be required.

Staff may use diagnostic assessment at the **end of a lecture**, or a series of lectures, to see if students have comprehended the information conveyed, and students appear to like this, as it is a way for them **to keep a track on their learning**. However, diagnostic assessment does not provide a tool to enhance student learning unless it has **an element of feedback within it, unless it becomes formative**.

1. Overview of Assessment and E-Assessment

Types of Assessment

Formative Assessment

Assessment that is **formative occurs** during a course, **and provides feedback** to students to help them **improve** their performance.

The feedback need not necessarily be derived from only the **tutor**, but can be from **students' peers** or **external agents** such as clinical tutors or placement supervisors.

It is important that the feedback should be given in relation to the **criteria** against which the work is being assessed.

Formative assessment can be through **tutor assessment**, **peer assessment** or **self-assessment**.

1. Overview of Assessment and E-Assessment

Types of Assessment

Summative Assessment

Assessment that is summative **may or may not include feedback**.

The main difference between this form of assessment and that which is purely formative is that **grades are awarded**.

The grade will **indicate performance** against the standards set for the assessment task, and can either be part of in-course assessment, or assessment at the end of a course or module.

1. Overview of Assessment and E-Assessment

The 'e' of Assessment

There are different methods of assessing online as summarized below:

<http://www.scribd.com/doc/461041/Assessment-20>

Web service	Example	Cycle	Use(s)
E-mail	Google Mail	Evidence storage	Storing (and searching for) evidence
Personal homepage	Netvibes	Evidence organisation	Combining evidence sources on single page
Blog	Wordpress	Evidence organisation	Logbook/diary; e-portfolio; authentication
RSS	Bloglines	Evidence discovery	Subscribing to evidence sources
Social bookmarking	Del.icio.us	Evidence capture	Capturing sources of evidence
Instant messaging	MSN	Evidence discovery	Discussion; group work; collaboration
VOIP	Skype	Evidence capture	Capturing audio evidence; evidence authentication; oral assessment
Wiki	Wikispaces	Evidence creation	Collaborative writing; projects; research findings; group work
Search engine	Live Search	Evidence discovery	Locating evidence
Data capture	Clipmarks	Evidence capture	Selecting and storing evidence
Video upload	YouTube	Evidence storage	Creating and storing video evidence
Online encyclopaedia	Wikipedia	Evidence discovery	Finding and publishing evidence
Social network	Facebook	Evidence discovery	Collaborating and publishing evidence

1. Overview of Assessment and E-Assessment

Advantages & Disadvantages of e-Assessment

In a Futurelab report, *Literature review of e-Assessment*, a range of advantages and barriers were discussed as follows:

Advantages	Barriers
Assessing: Metacognition Group projects Creativity Communication skills	Dumbing down academic work Reliability Plagiarism Equity Technical Skills ICT infrastructure Examination process

Literature Review of E-assessment REPORT 10:FUTURELAB SERIES Jim Ridgway and Sean McCusker, School of Education, University of Durham Daniel Pead, School of Education, University of Nottingham

1. Overview of Assessment and E-Assessment

Self Assessment Task

Through undertaking this module you should have knowledge and understanding of:

1. What is e-Assessment;
2. What, why and how to assess;
3. Different online tools for assessment purposes;
4. Advantages and disadvantages of e-Assessment.

Your task is now to choose one of the e-Assessment tools to reflect upon the above learning outcomes in relation to your personal development of e-Assessment.

1. Overview of Assessment and E-Assessment

Reading

- Elliot, B. (2008). Assessment web 2.0. Available at: <http://www.scribd.com/doc/461041/Assessment-20> accessed on 10th June 2012.
- Black, P. J. & William, D. (1998b) Inside the black box: raising standards through classroom assessment (London, King's College London School of Education).
- Brosnan, M. (1999). Computer anxiety in students: Should computer-based assessment be used at all? In Brown, S., Race, P. & Bull, J. (1999) (Eds), Computer-assisted assessment in higher education. London: Kogan-Page.
- Duffy, Peter and Bruns, Axel (2006) The Use of Blogs, Wikis and RSS in Education: A Conversation of Possibilities. In *Proceedings Online Learning and Teaching Conference 2006*, pages pp. 31-38, Brisbane.
- Dylan Wiliam, Clare Lee, Christine Harrison & Paul Black (2004): Teachers developing assessment for learning: impact on student achievement, *Assessment in Education: Principles, Policy & Practice*, 11:1, 49-65
- JISC (2007) Effective use of VLes : e-Assessment. JISC
- JISC (2007). *Effective practice of assessment*. Available at: http://www.ljmu.ac.uk/lid/lid_docs/Effective_Practice_in_Assessment.pdf. Accessed on 10th June 2012.
- JISC (2007) Effective practice of e-Assessment. JISC JISC (2007). *Effective practice of assessment*.
- Ridgway, J., McCusker. & Pead. D. REport 10: Literature review of e-Assessment. Bristol: Futurelab



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



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

What is Light-weight LMS?

The LMS educational principles:

- Computer-based assessment (CBA)
- Distributed assessment
- In-class formative assessment case studies



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

What is Light-weight LMS?

Introducing the essential e-assessment component and how these platforms connect with each of them:

- ◆ Test Items: introduction of each elementary building blocks
- ◆ Tests: selection of items and creation of tests
- ◆ Test takers: setup and manage users o Groups: setup groups and permission controls
- ◆ Deliveries: setup and management
- ◆ Results: inspection and interpretation
- ◆ Processes: setup and management



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

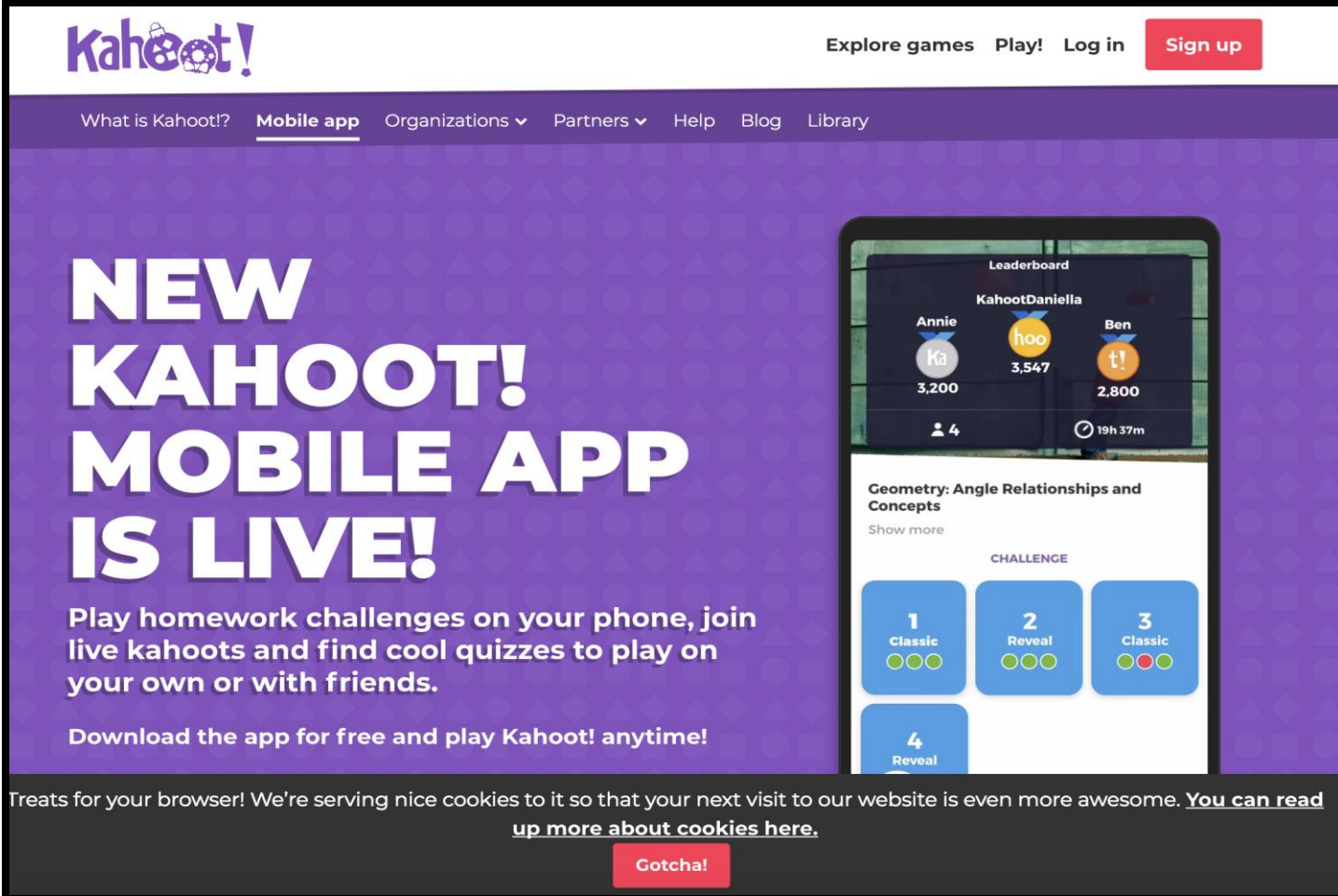
Introduction and hands-on of Light-weight LMS:

- Kahoot
- Quizizz
- Plickers



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

Introduction and hands-on of Light-weight LMS:
Kahoot : <https://kahoot.com/mobile-app/>



The image shows the Kahoot! mobile app landing page. The page has a purple background with a pattern of small white triangles. At the top, there is a navigation bar with the Kahoot! logo on the left and links for 'Explore games', 'Play!', 'Log in', and a red 'Sign up' button on the right. Below the navigation bar, there is a secondary navigation bar with links for 'What is Kahoot!?', 'Mobile app' (which is underlined), 'Organizations', 'Partners', 'Help', 'Blog', and 'Library'. The main content area features a large white text overlay that reads 'NEW KAHOOT! MOBILE APP IS LIVE!'. Below this text, there is a paragraph: 'Play homework challenges on your phone, join live kahoots and find cool quizzes to play on your own or with friends.' and a button that says 'Download the app for free and play Kahoot! anytime!'. To the right of the text, there is a screenshot of the Kahoot! mobile app interface. The screenshot shows a leaderboard with three players: Annie (3,200 points), KahootDaniella (3,547 points), and Ben (2,800 points). Below the leaderboard, there is a section titled 'Geometry: Angle Relationships and Concepts' with a 'Show more' link. Underneath, there is a 'CHALLENGE' section with four buttons: '1 Classic', '2 Reveal', '3 Classic', and '4 Reveal'. Each button has a progress indicator with three colored circles. At the bottom of the page, there is a dark grey footer with a cookie notice: 'Treats for your browser! We're serving nice cookies to it so that your next visit to our website is even more awesome. You can read up more about cookies here.' and a red 'Gotcha!' button.

NEW KAHOOT! MOBILE APP IS LIVE!

Play homework challenges on your phone, join live kahoots and find cool quizzes to play on your own or with friends.

Download the app for free and play Kahoot! anytime!

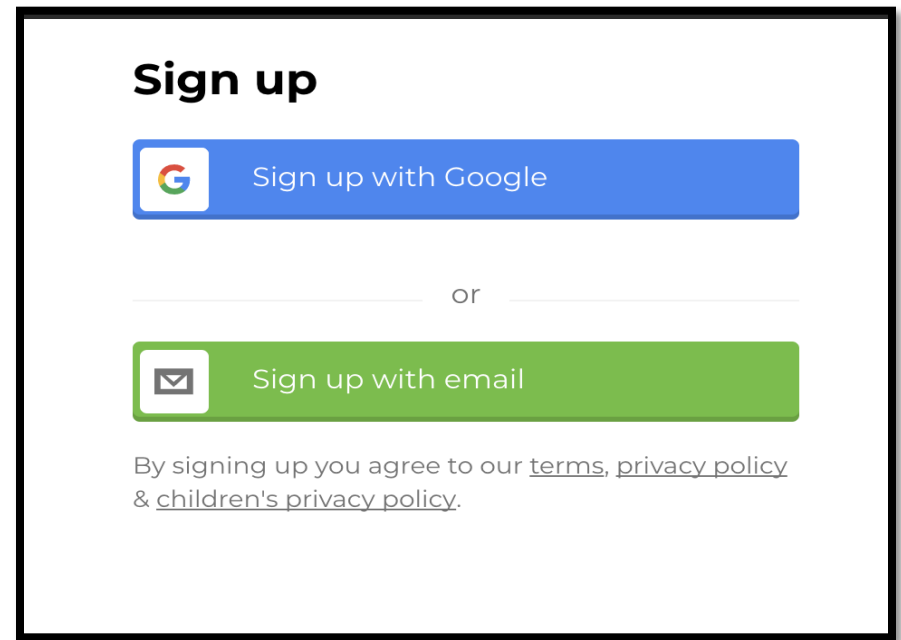
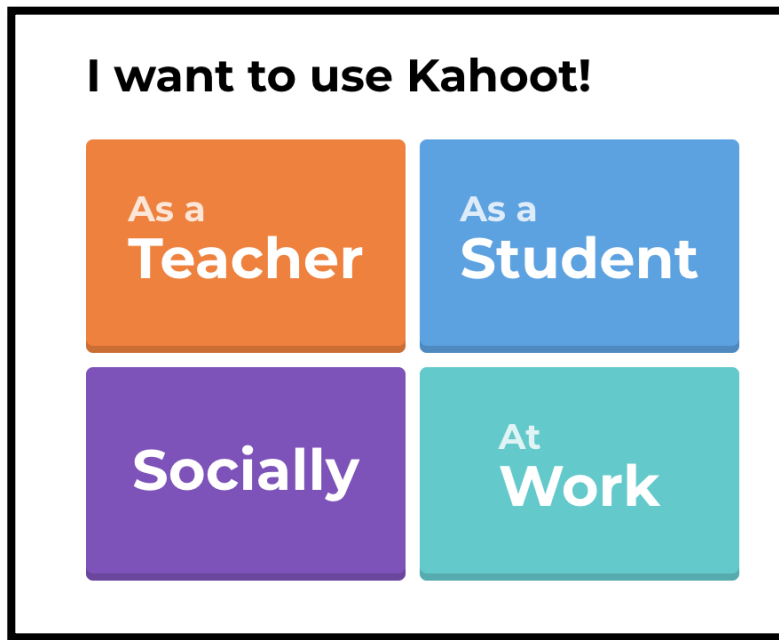
Treats for your browser! We're serving nice cookies to it so that your next visit to our website is even more awesome. [You can read up more about cookies here.](#)

Gotcha!

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

Introduction and hands-on of Light-weight LMS:

Kahoot : <https://kahoot.com/mobile-app/>



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

Introduction and hands-on of Light-weight LMS:
Kahoot : <https://kahoot.com/mobile-app/>

Your account details

Add your school or university (optional)

THE CHINESE UNIVERSITY O

Pick a username (required)

wallaceman

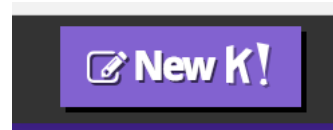
Have you played Kahoot! before? (optional)

Yes

No

Join Kahoot!

By signing up you agree to our [terms](#), [privacy policy](#) & [children's privacy policy](#).



Create a new kahoot

A purple circle with a white question mark.

Quiz

Introduce, review and reward

A yellow circle with a white puzzle piece.

Jumble

Brand NEW game

A purple circle with a white speech bubble.

Discussion

Initiate and facilitate debate

A purple circle with a white bar chart.

Survey

Gather opinion and insight

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

Introduction and hands-on of Light-weight LMS:

Kahoot : <https://kahoot.com/mobile-app/>

Title (required)

95



Description (required)

A #math #blindkahoot to introduce the basics of #algebra to #grade8

Cover image ?

Add image

Upload image



or drag & drop image

Visible to ?

Only me

▼

Language

English

▼

Audience (required)

Please select...

▼

Credit resources ?

Intro video ?

<https://www.youtube.com/watch?v=xvNR4SRJu08>

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

Introduction and hands-on of Light-weight LMS:

Kahoot : <https://kahoot.com/mobile-app/>

Title (required)

ITs DEMO

Description (required)

CUHK

Cover image ?

Remove

Replace

Visible to ?

Everyone

▼

Language

中文

▼

Audience (required)

University

▼

Credit resources ?

Intro video ?

<https://www.youtube.com/watch?v=xvNR4SRJu08>

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

Introduction and hands-on of Light-weight LMS:
Kahoot : <https://kahoot.com/mobile-app/>

CloseK! Question 1Next

Question (required)

Time limit

20 sec

▼

Award points ?


YES


Media ?


Add image

Upload image

Add Video







or drag & drop image

Answer 1 (required)

✓

Answer 2 (required)

✓

Answer 3

✓

Answer 4

✓

Credit resources



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

Introduction and hands-on of Light-weight LMS:

Kahoot : <https://kahoot.com/mobile-app/>

完成試題

Description

 **kahoot 教學教師研習---標題**

kahoot 教學

Only me

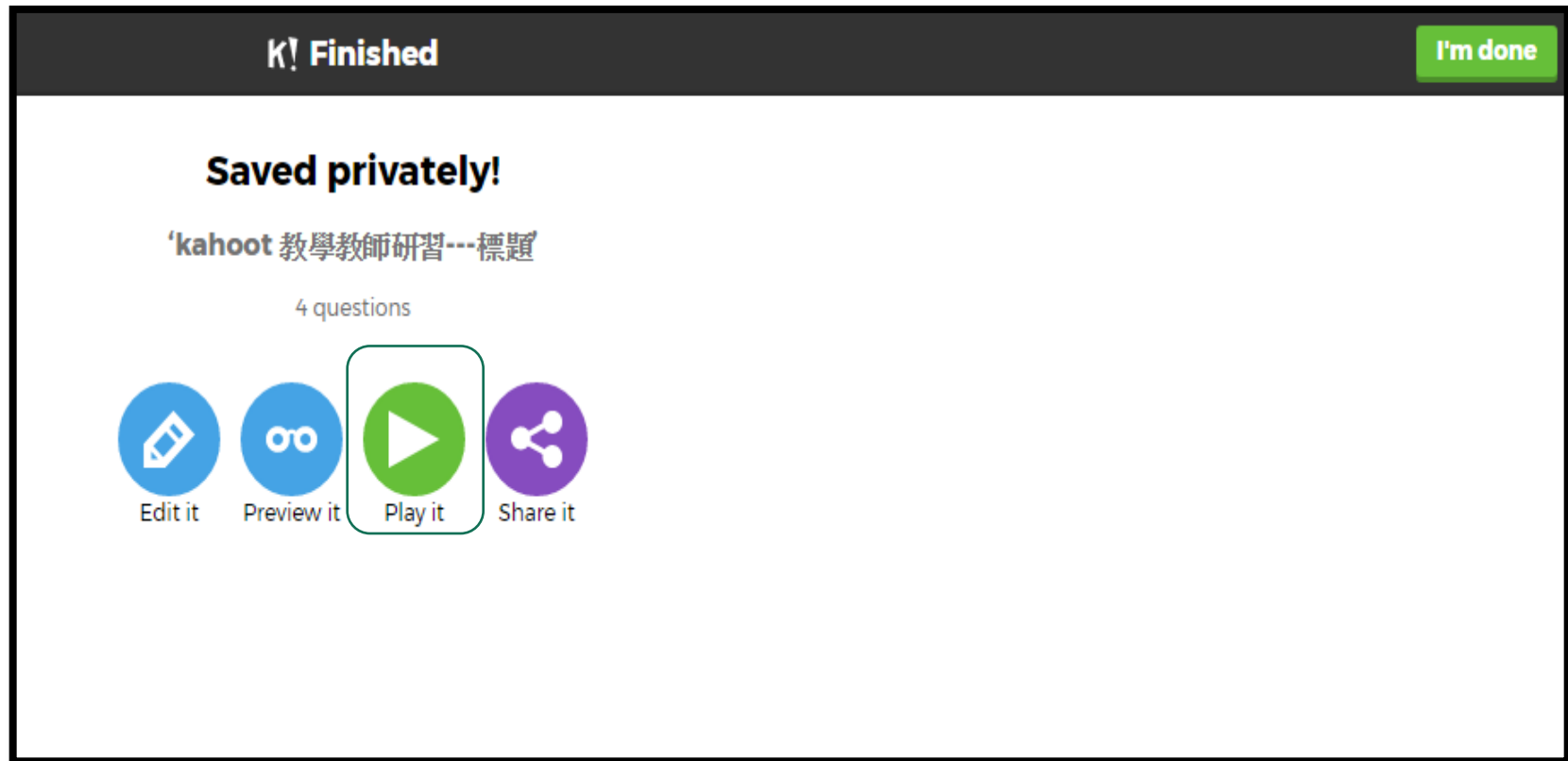
Game Creator

	5X5是多少 ?	Time limit 30s	  
	4+3=	Time limit 30s	  
	常見的智慧型手機，會出現的介紹：5.5吋LCD，3g ram，32gROM，請問 3g ram是指？	Time limit 30s	  
	《X`步自封》	Time limit 30s	  

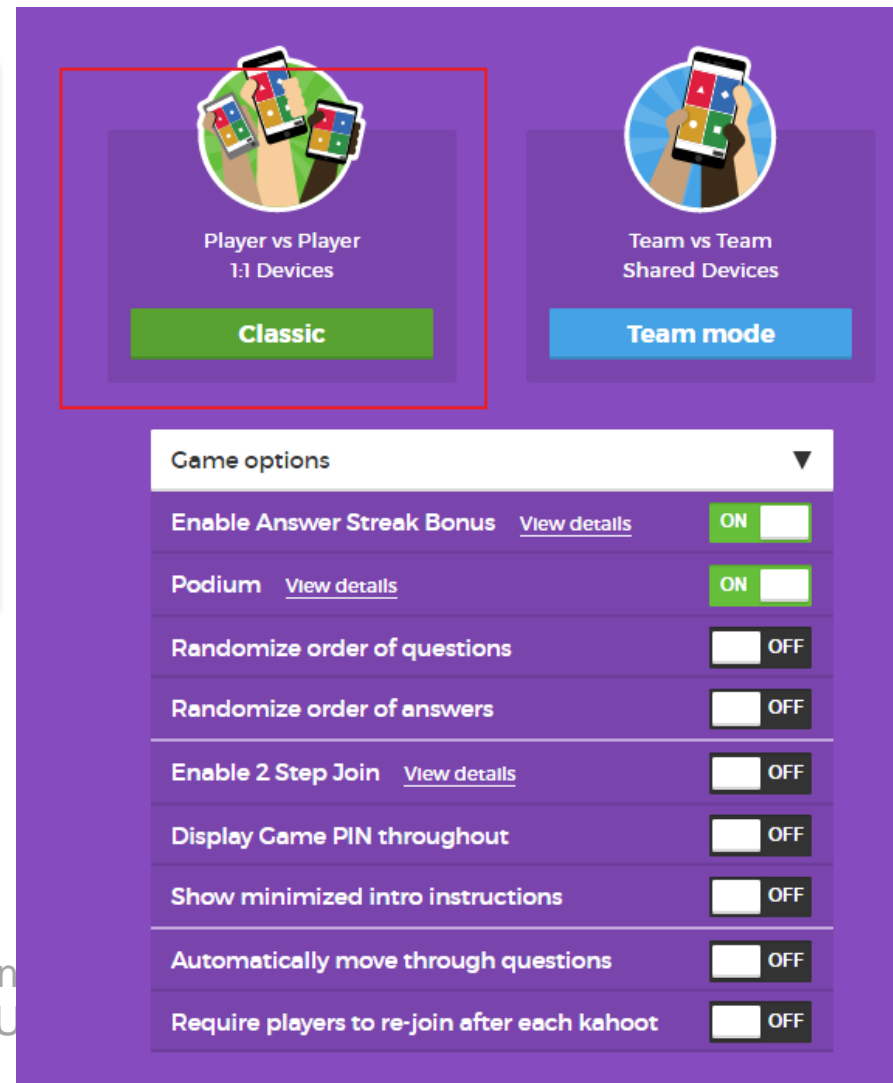
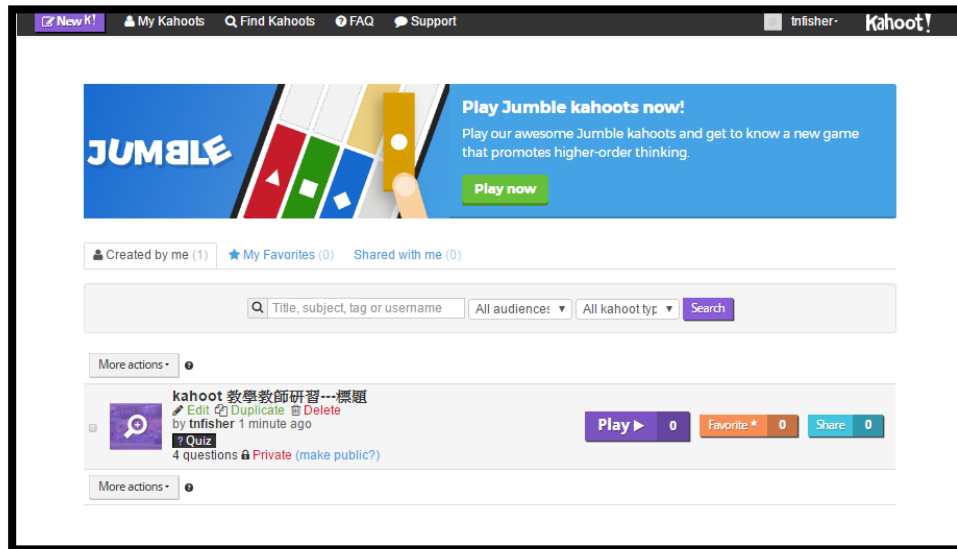
2. Introduction to Light-weight LMS and Their Roles on E-Assessment

Introduction and hands-on of Light-weight LMS:
Kahoot : <https://kahoot.com/mobile-app/>

開始測驗



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



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

Introduction and hands-on of Light-weight LMS:

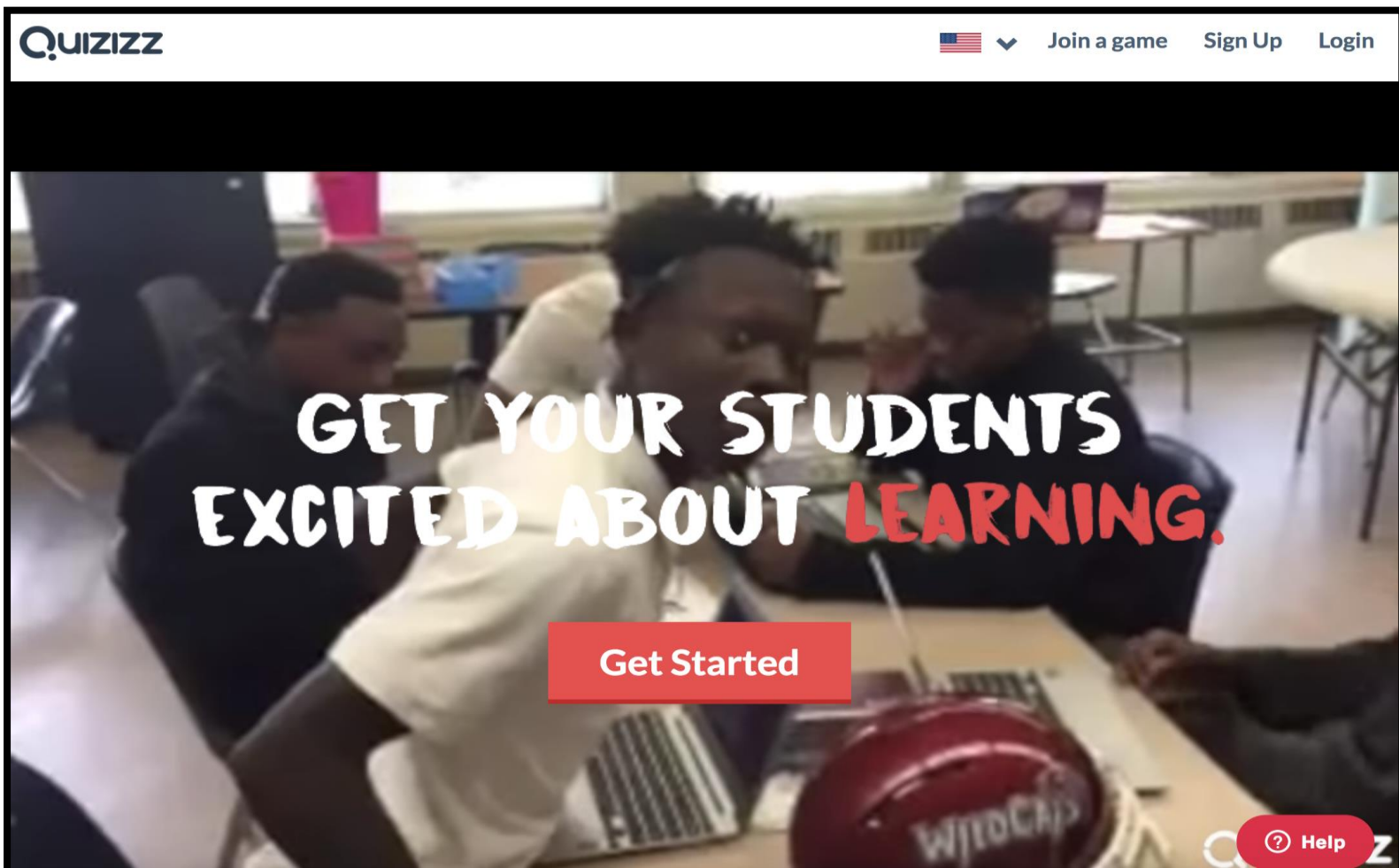
Kahoot : <https://kahoot.com/mobile-app/>

將game-pin碼輸入行動裝置



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

Introduction and hands-on of Light-weight LMS:
Quizizz: <https://quizizz.com/>

A screenshot of the Quizizz website banner. The banner features a video background of three students in a classroom setting, looking at a laptop. Overlaid on the video is the text "GET YOUR STUDENTS EXCITED ABOUT LEARNING." in a bold, white, sans-serif font. Below this text is a red rectangular button with the text "Get Started" in white. The top of the banner shows the Quizizz logo on the left and navigation links (a dropdown arrow, "Join a game", "Sign Up", and "Login") on the right. In the bottom right corner, there is a red circular button with a question mark icon and the word "Help".

Quizizz

Join a game Sign Up Login

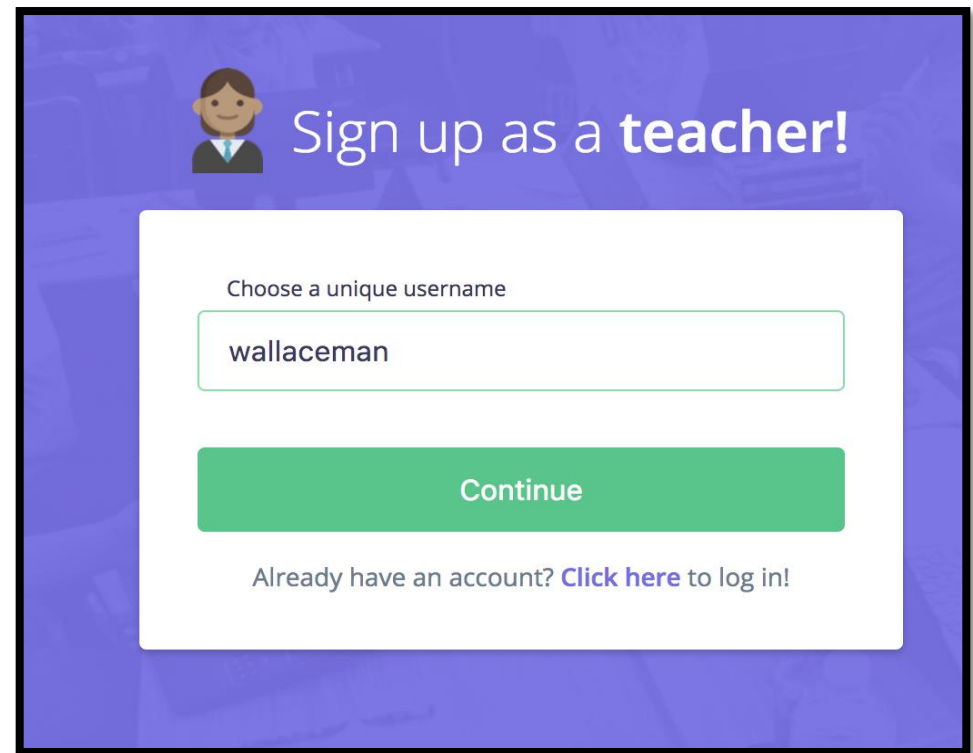
GET YOUR STUDENTS
EXCITED ABOUT LEARNING.

Get Started

Help

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

Introduction and hands-on of Light-weight LMS:
Quizizz: <https://quizizz.com/>



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

Introduction and hands-on of Light-weight LMS:
Quizizz: <https://quizizz.com/>

Where do you teach?

School or University

Country: Hong Kong

Enter your institution's ZIP / Post Code: CUHK

No institutions found for this Zip/Post Code. Create your institution by clicking below.

Add Your Institution

Add your institution

Country: Hong Kong

State / Province: HONG KONG

City: HONG KONG


Institution's ZIP / Post Code: CUHK

Institution name: THE CHINESE UNIVERSITY OF HK

Cancel Create

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

Introduction and hands-on of Light-weight LMS:
Quizizz: <https://quizizz.com/>



Quiz Info

Import From File ^{NEW}

DEMO

Change Image

ITs DEMO CUHK

English

☒ Public ☐ Private

Cancel Done

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

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

The screenshot displays the Quizizz interface for creating a quiz. The top navigation bar includes the Quizizz logo, a search bar with a 'Go!' button, a 'Saved!' status indicator, and buttons for 'Tutorial' and 'Finish'. The left sidebar contains an 'Edit Quiz Info' button, a '+ New Question' button, and icons for a folder and a trash can. The main editing area is divided into two sections: a question editor and a question preview.

Question Editor:

- Question*:** The main text area for the question.
- Options:** Four options are listed, each with a red 'Incorrect' feedback button:
 - Option 1*
 - Option 2*
 - Option 3 (optional)
 - Option 4 (optional)

Question Preview:

The preview section shows a 'QUESTION PREVIEW' header and a large area for the question content. A 'Help' button is located in the bottom right corner of the preview area.

Top Bar:

- Search:** Search for questions... Go!
- Status:** Saved!
- Buttons:** Tutorial, Finish

Question Editor Header:

- Icons:** T², T₂, A, A, A, €
- Time:** 30 sec
- NEW** (red badge)



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

Introduction and hands-on of Light-weight LMS:
Quizizz: <https://quizizz.com/>

Final step, we promise :)

Grade Range

Grade: 12

12 to 12

Subjects

Mathematics Physics Chemistry Biology Computers

Other Sciences English World Languages Geography History

Arts Specialty Professional Development Physical Ed Fun

Other

Tags

Cancel Finish and Create Quiz

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

Introduction and hands-on of Light-weight LMS:
Quizizz: <https://quizizz.com/>



Share with others...

Shareable link: <https://quizizz.com/admin/quiz/5a452178c473fc>

[Copy Link](#)

Share via social media:



Share via email

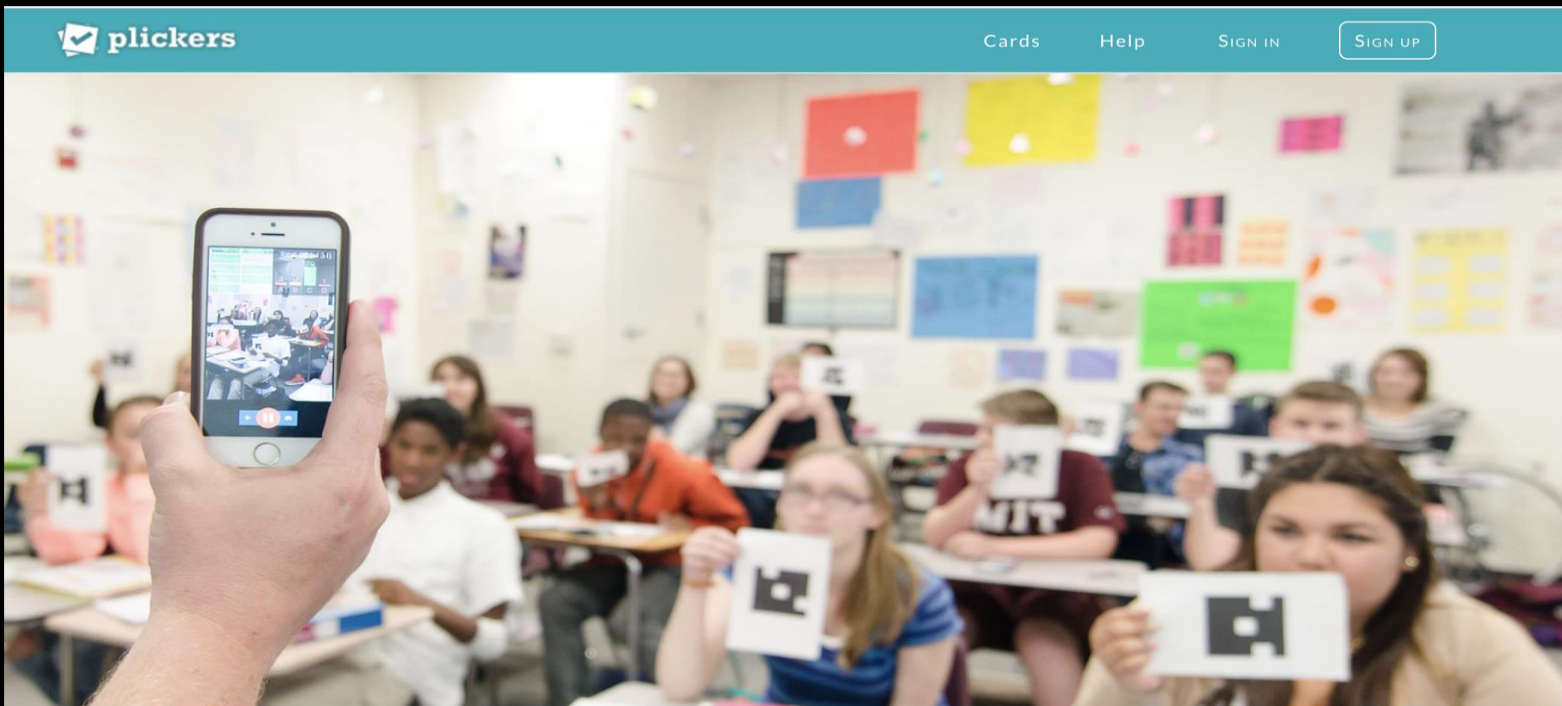
Enter email

SEND




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

Introduction and hands-on of Light-weight LMS:
Plickers : <https://www.plickers.com/>



The screenshot shows the Plickers website interface. At the top, there is a teal header with the Plickers logo on the left and navigation links for 'Cards', 'Help', 'SIGN IN', and a 'SIGN UP' button on the right. The main image depicts a classroom setting where a hand in the foreground holds a smartphone, scanning a white Plickers card held by a student. Other students in the background are also holding similar cards. The website footer is dark blue and contains the following elements:

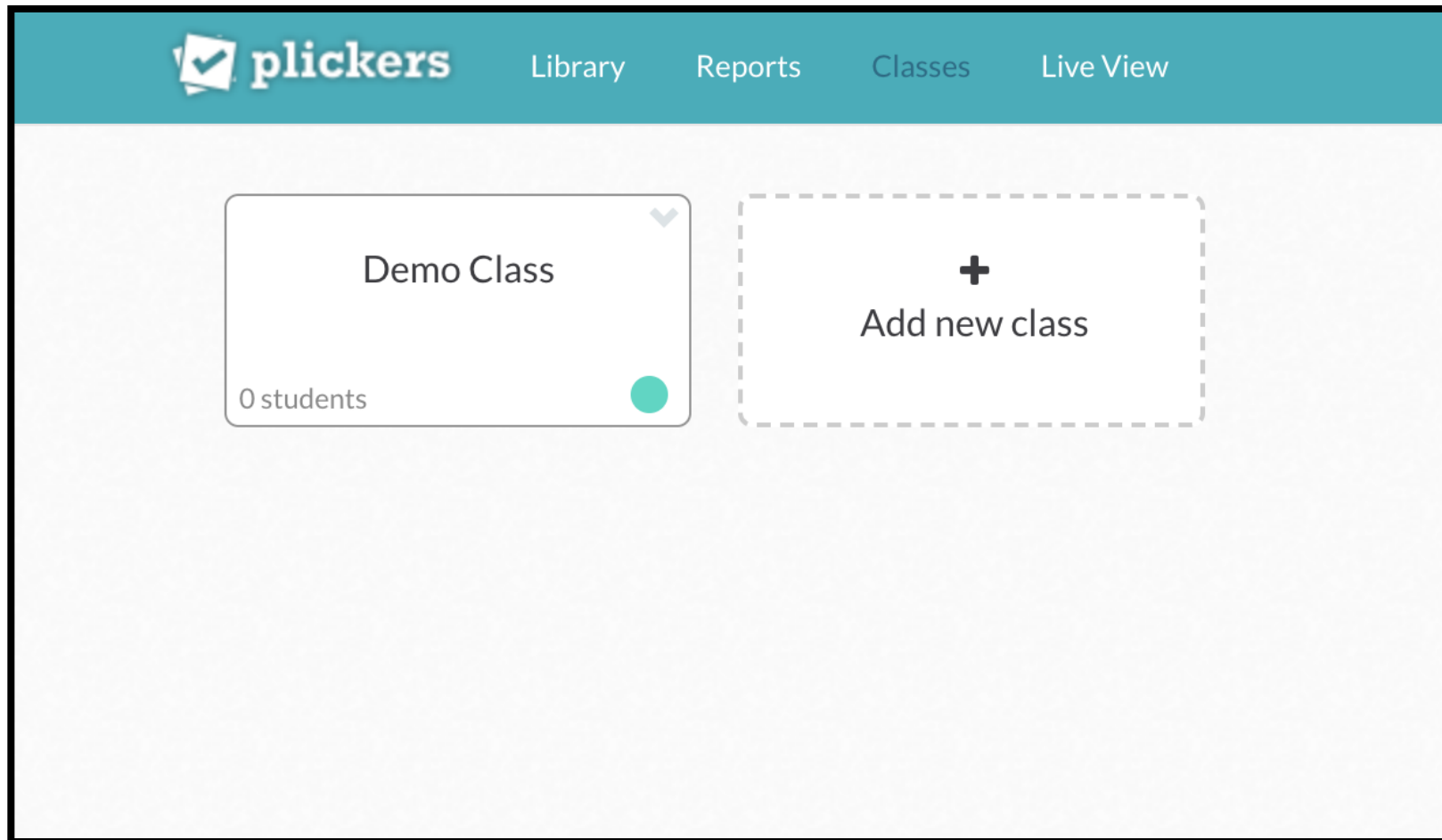
- On the left, a text description: "Plickers is a powerfully simple tool that lets teachers collect real-time formative assessment data without the need for student devices".
- In the center, two app store download buttons: "Download on the App Store" with the Apple logo and "ANDROID APP ON Google play" with the Google Play logo.
- On the bottom right, a small teal button with a question mark icon and the text "幫助" (Help).



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

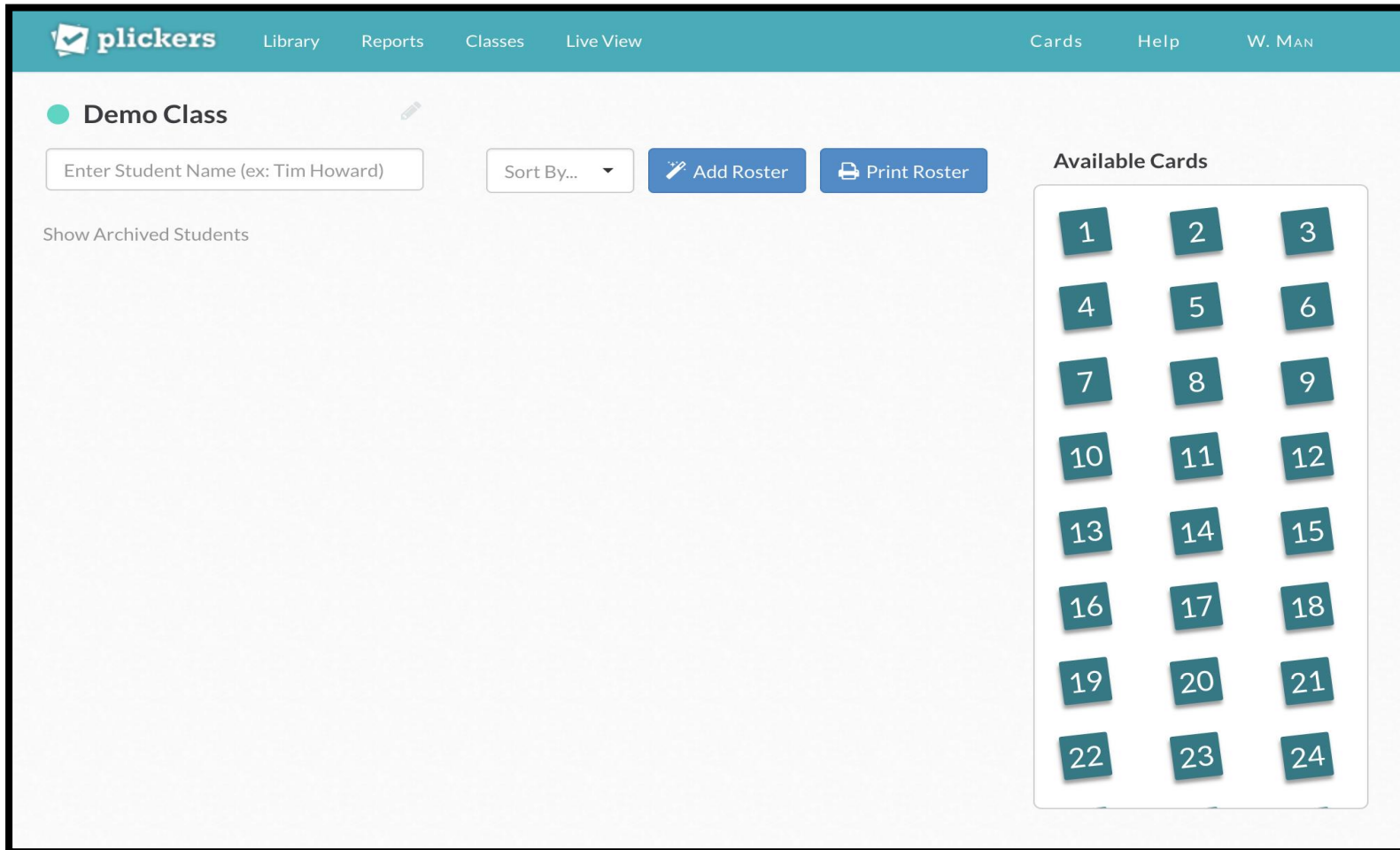
Introduction and hands-on of Light-weight LMS:

Plickers : <https://www.plickers.com/>



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

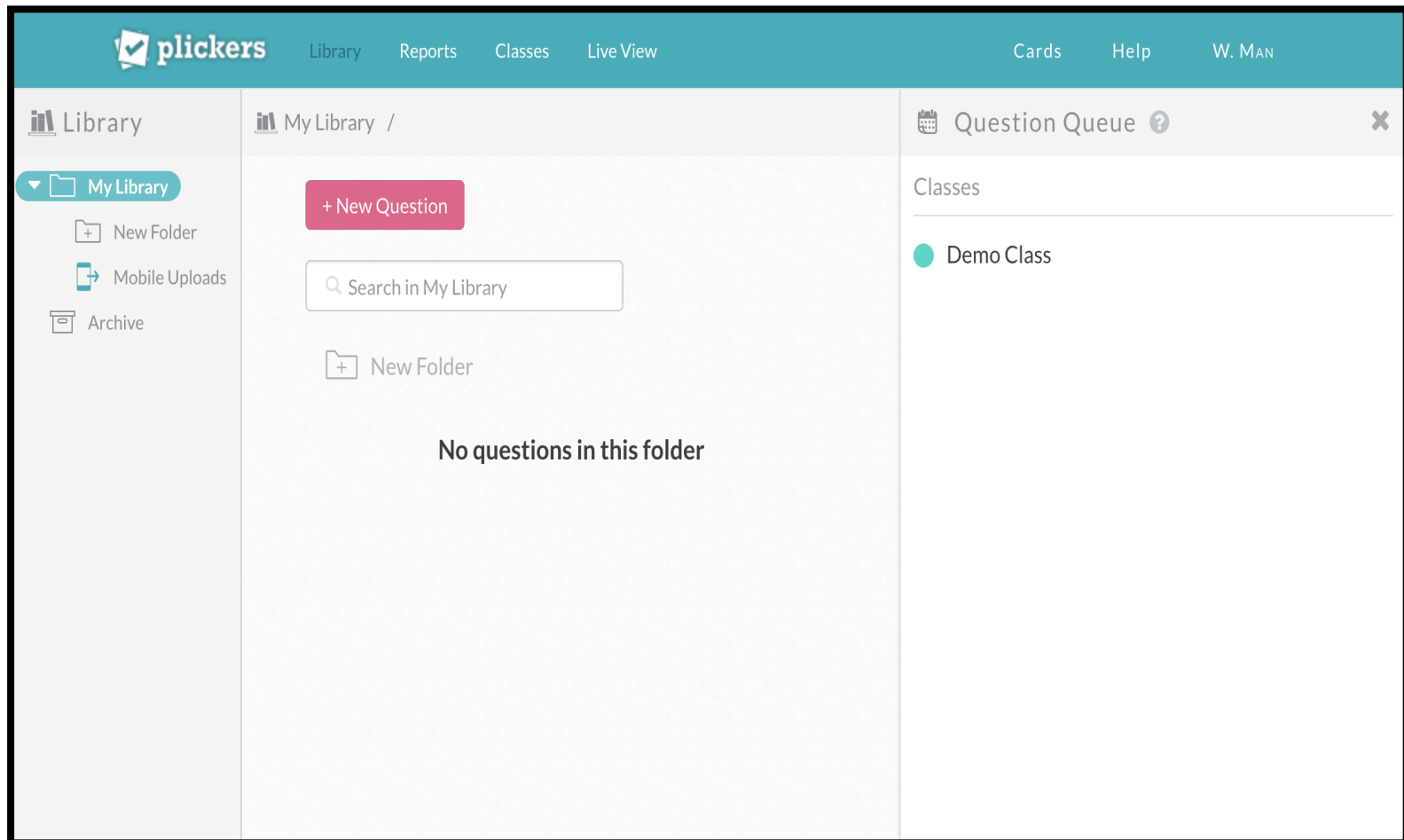
Introduction and hands-on of Light-weight LMS:
Plickers : <https://www.plickers.com/>



The screenshot displays the Plickers web application interface. At the top, a teal navigation bar contains the Plickers logo and links for Library, Reports, Classes, Live View, Cards, Help, and a user profile (W. MAN). Below the navigation bar, the main content area is titled "Demo Class" with a pencil icon. It features a search bar labeled "Enter Student Name (ex: Tim Howard)", a "Sort By..." dropdown menu, and two blue buttons: "Add Roster" and "Print Roster". A link "Show Archived Students" is also present. On the right side, a section titled "Available Cards" displays a grid of 24 numbered cards (1-24) arranged in 8 rows and 3 columns. The cards are teal with white numbers. In the bottom right corner, there is a small logo consisting of four colored squares (red, yellow, green, blue) arranged in a 2x2 grid.

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

Introduction and hands-on of Light-weight LMS:
Plickers : <https://www.plickers.com/>




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

Introduction and hands-on of Light-weight LMS:
Plickers : <https://www.plickers.com/>

New Question

Add question text here...

 Add Image

☒ Multiple Choice ☐ True/False

		Correct?
✕ A	<input type="text" value="Answer"/>	<input type="checkbox"/>
✕ B	<input type="text" value="Answer"/>	<input type="checkbox"/>
✕ C	<input type="text" value="Answer"/>	<input type="checkbox"/>
✕ D	<input type="text" value="Answer"/>	<input type="checkbox"/>

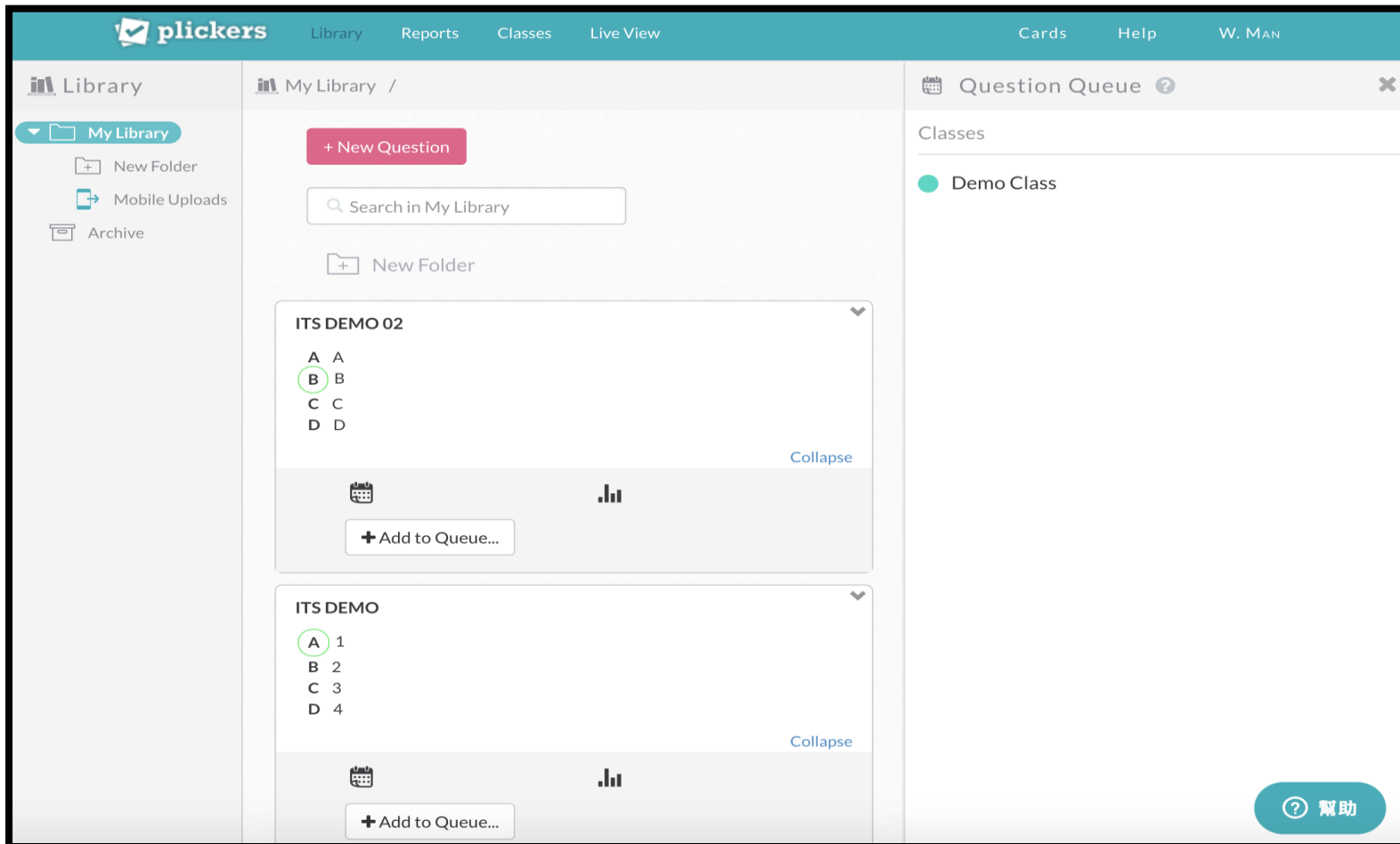
Cancel

Save

Save and create new

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

Introduction and hands-on of Light-weight LMS:
Plickers : <https://www.plickers.com/>



The screenshot displays the Plickers web application interface. The top navigation bar includes the Plickers logo, 'Library', 'Reports', 'Classes', 'Live View', 'Cards', 'Help', and a user profile 'W. MAN'. The main content area is divided into three panels:

- Left Panel (Library):** Contains a 'My Library' section with options for 'New Folder', 'Mobile Uploads', and 'Archive'.
- Center Panel (My Library):** Features a '+ New Question' button, a search bar labeled 'Search in My Library', and a 'New Folder' button. Below these are two question cards:
 - ITS DEMO 02:** A multiple-choice question with options A, B, C, and D. Option B is selected and highlighted with a green circle.
 - ITS DEMO:** A multiple-choice question with options A, B, C, and D. Option A is selected and highlighted with a green circle.Each card includes a 'Collapse' button and an 'Add to Queue...' button.
- Right Panel (Question Queue):** Displays a 'Classes' section with a single entry, 'Demo Class', marked with a green circle.

A bottom right button labeled '? 幫助' (Help) is visible.



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

Introduction and hands-on of Light-weight LMS:
Plickers : <https://www.plickers.com/>

Live View Ready!

Select a question in your Plickers iOS/Android app to project to your class.

1. Open the Plickers iOS/Android app and select your class.
2. From the app, select the question you want from your Queue.
3. Live View will automatically update with your question!

Still not seeing your question?

Try refreshing below or check out our [troubleshooting page](#).

 Refresh



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

What is Light-weight LMS?

Introduction and hands-on of interactive LMS:

- Socrative
- Nearpod
- Playposit
- Schoology

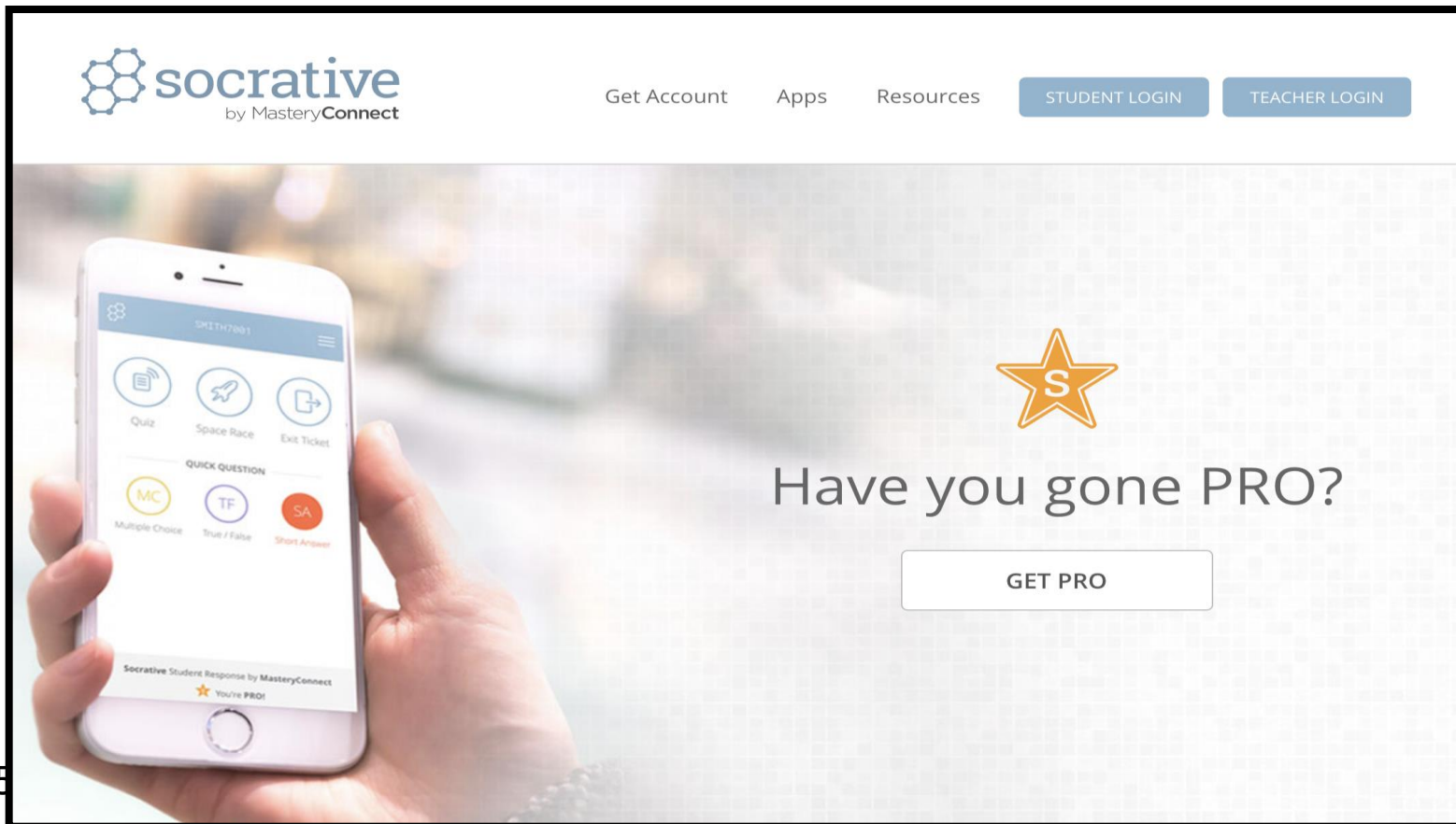


2. Introduction to Light-weight LMS and Their Roles on E-Assessment

What is Light-weight LMS?

Introduction and hands-on of interactive LMS:

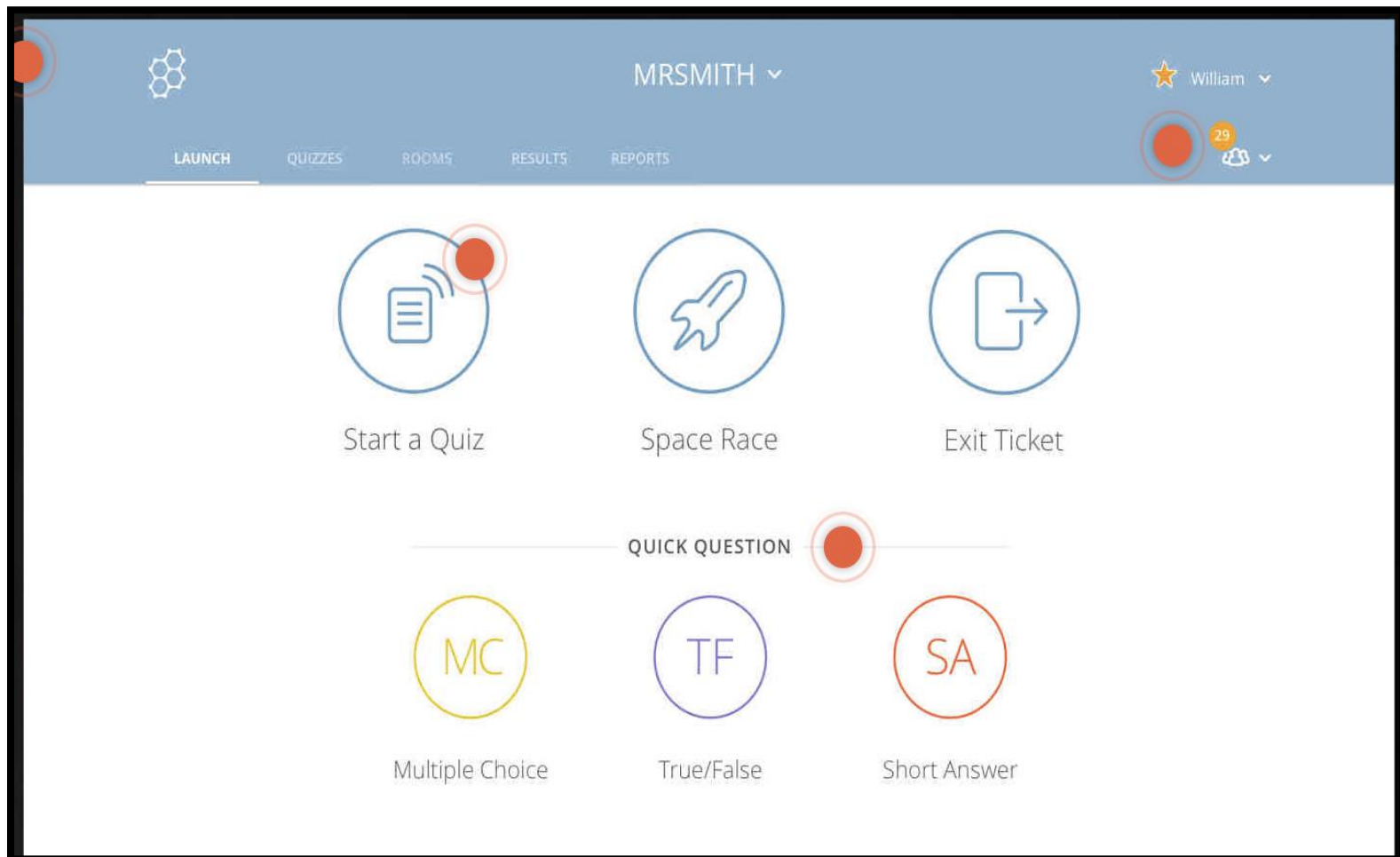
Socrative : <https://www.socrative.com/>



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

What is Light-weight LMS?

Socrative : <https://www.socrative.com/>



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

What is Light-weight LMS?

Socrative : <https://www.socrative.com/>

The screenshot displays the Socrative Quizzes management page. At the top, the user is logged in as 'MRS MITH' with a dropdown arrow. A notification badge shows '29'. The navigation bar includes 'LAUNCH', 'QUIZZES' (active), 'ROOMS', 'RESULTS', and 'REPORTS'. The main heading is 'Quizzes' with a '+ CREATE QUIZ' button. Below is a search bar and a filter dropdown set to 'Active (44)'. Action buttons include 'DUPLICATE', 'DOWNLOAD', 'ARCHIVE', 'DELETE', and 'IMPORT QUIZ'. The quiz list table has columns: 'ALL' (checkbox), 'DATE', 'STANDARD', 'NAME', 'EDIT', 'SHARE', and 'LAUNCH'. Five quizzes are listed: 'Monetary Policy', 'Civil War', 'Ming Dynasty', and 'History 7 Period 5'. Red circles highlight the 'NAME' header, the 'Standard' for 'Monetary Policy', the 'Share' icon for 'Monetary Policy', and the 'Launch' icon for 'Ming Dynasty'.

<input type="checkbox"/>	DATE	STANDARD	NAME	EDIT	SHARE	LAUNCH
<input type="checkbox"/>	3/14/16	HI: H.7.4.2	Monetary Policy			
<input type="checkbox"/>	3/21/16	HI: H.7.4.3	Civil War			
<input type="checkbox"/>	3/28/16	HI: H.7.4.4	Ming Dynasty			
<input type="checkbox"/>	4/14/16	HI: H.7.4.5	History 7 Period 5			

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

What is Light-weight LMS?

Socrative : <https://www.socrative.com/>

REPORTING

Review student understanding at the class, individual student, or question-level. And, because each Socrative report is saved to your account, you can quickly download, email, or transfer reports to Google Drive anytime.

Socrative by MasteryConnect

10/27/2015

Total Questions: 8

Least Correct Answers: #3

10/27/2015

100%

0/2 D Nigeria

0/2 E Germany

3. The USA played _____ in the round of 16? (of country)

Smith, John Harkness, Jack Smith, John Harkness, Jack

X Belgium ✓ Portugal X Belgium ✓ Portugal

4. Lorem ipsum dolor sit amet, an est ornatus accusata, nec meliore senserit ut?

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

What is Light-weight LMS?

Socrative : <https://www.socrative.com/>

The screenshot displays the Socrative 'ROOMS' management interface. A tooltip on the left explains the 'ROOMS' feature: 'Launch activities in easy-to-create virtual rooms to instantly engage your students, whether they're in class or learning remotely. Share the unique code to ask students to join your room.' The main interface shows a header for 'MRSMITH' and a user profile 'William'. Below the header, there are tabs for 'RESULTS' and 'REPORTS'. A prominent orange button labeled '+ ADD ROOM' is visible. Below this, a table lists existing rooms. The first row is a 'Default room' which is disabled for editing or deletion. The subsequent rows show active rooms named 'Math01' through 'Math04', each with a status icon, a speaker icon, a unique code, and a trash icon for deletion. The 'Math01' room has a code of 32 and 32 participants. The 'Math02' room has a code of 32 and 32 participants. The 'Math03' room has a code of 32 and 32 participants. The 'Math04' room has a code of 32 and 32 participants.

ROOMS

Launch activities in easy-to-create virtual rooms to instantly engage your students, whether they're in class or learning remotely. Share the unique code to ask students to join your room.

MRSMITH ▾ William ▾

RESULTS REPORTS

+ ADD ROOM

CLASS LIST DELETE

Default room cannot have a roster, be deleted, or excluded from menu.

Room Name	Status	Speaker	Code	Participants	Actions
Math01	✓	🔊	32	32	🗑️
Math02	✓	🔊	32	32	🗑️
Math03	✓	🔊	32	32	🗑️
Math04	✓	🔊	32	32	🗑️

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

What is Light-weight LMS?

Socrative : <https://www.socrative.com/>



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

What is Light-weight LMS?

Socrative : <https://www.socrative.com/>

34AJH95 ▾

★ William ▾

29

LAUNCH QUIZZES ROOMS RESULTS REPORTS

Math Quiz

FINISH

☒ Show Names ☒ Show Answers

Name	Progress	#1	#2	#3	#4
Noble, Donna	100% ✓	A	False	True	True
Pond Amy	100% ✓	A	False	True	True
Smith Mickey	100% ✓	C, A	True	True	True
Williams, Rory	100% ✓	A	True	True	True
Class Total		0%	50%	100%	100%

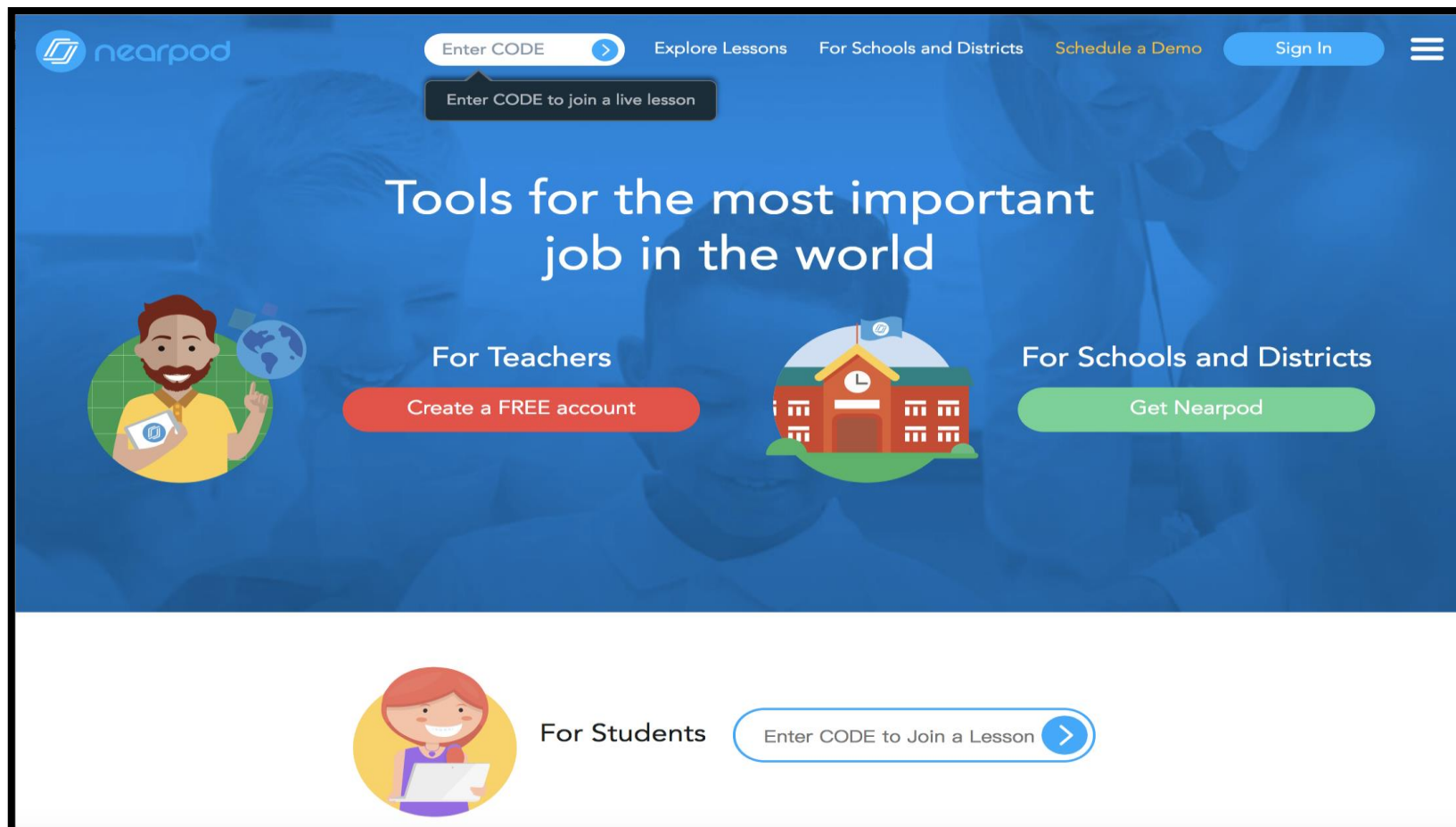
Click on Question #s or Class Total %s for a detailed question view

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

What is Light-weight LMS?

Introduction and hands-on of interactive LMS:

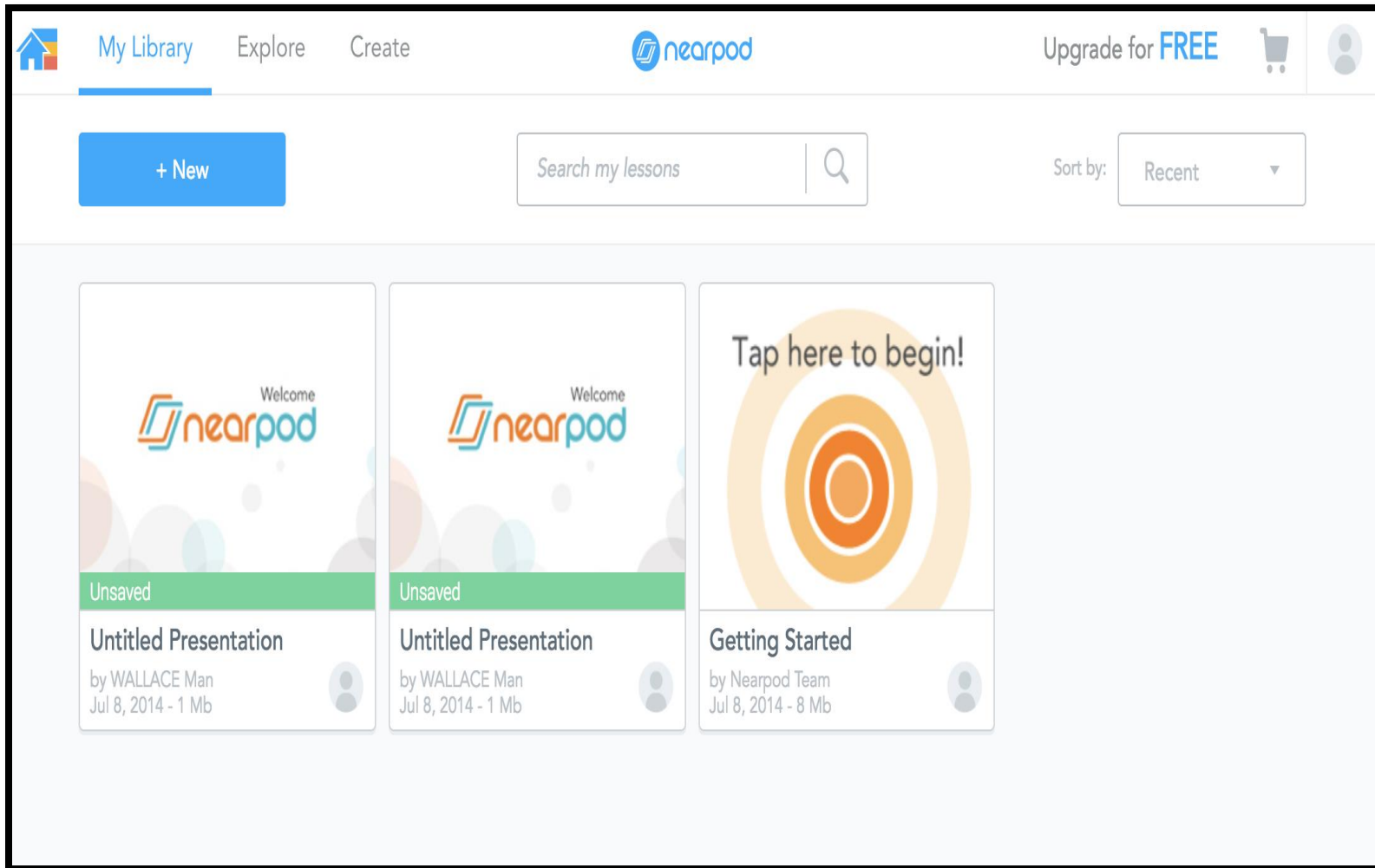
Nearpod : <https://nearpod.com/>



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

What is Light-weight LMS?

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



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

What is Light-weight LMS?

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


The screenshot displays the Nearpod 'Getting Started' presentation interface. At the top, navigation links include 'My Library', 'Explore', and 'Create', alongside the Nearpod logo and an 'Upgrade for FREE' button. The main title 'Getting Started' is followed by a 'Settings' icon and a 'Size: 8.2 MB' indicator. A toolbar contains buttons for '+ Add Slide', 'Delete Slide', 'Copy (Ctrl+C)', 'Paste (Ctrl+V)', and 'Convert to Draw It' (marked as Beta). The presentation consists of several slides: Slide 1 shows a target graphic with the text 'Tap here to begin!'; Slide 2 explains that Nearpod presentations can be 'Synchronized' (using Nearpod Live) or 'Self-paced' (using Nearpod Premium); Slide 3 shows the Nearpod logo and icons for 'iOS + Android + Web'; Slide 4 is titled 'Video' and features a play button icon; Slide 5 provides instructions on how to access Nearpod on different devices (PC/MAC, iPad/iPhone, and Android Tablet); Slide 6 shows a tablet screen with the text 'Enter this PIN on the second device (student view)'; Slide 7 states 'YOUR TWO DEVICES SHOULD NOW BE SYNCHRONIZED'; and the final slide is titled 'Engage your students with interactive features' and lists 'Poll' and 'Open ended question' as examples.

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

What is Light-weight LMS?

Introduction and hands-on of interactive LMS:

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



The screenshot shows the Playposit website homepage. The header is blue with a white dog logo on the left. Navigation links include 'Corporate', 'K-HigherEd', 'Join', 'Login', and 'Request Demo'. Below the header, a dark blue bar contains the categories 'PROFESSIONAL DEVELOPMENT', 'INTERACTIVE INSTRUCTION', 'INTEGRATIONS', and 'DATA'. The main content area has a light blue background with the text 'Increase learner happiness' in large white font. Below this, a smaller text block states: 'Interactive video accelerates learning by improving retention; we give instructors data to do more.' At the bottom, there are two buttons: 'JOIN AS INSTRUCTOR (FREE)' in an orange box and 'SEE IT IN ACTION' in a white box with a blue border.



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

What is Light-weight LMS?

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

The screenshot displays the Playposit LMS dashboard. At the top is a blue navigation bar with the Playposit logo (a white dog icon) and the text 'playposit'. To the right of the logo are links for 'DASH', 'BULBS', 'MONITOR', and 'DESIGN', followed by search, help, and power icons. Below the navigation bar, there are four white cards with icons and text: 'WALLACE M...' with a search code 'w5b030' and a 'FILL OUT PROFILE' button; '0 VIDEO BULBS' with a 'DESIGN VIDEO BULB' button; '0 ACTIVE STUDENTS' with an 'ADD STUDENTS' button; and 'Go Premium' with a 'UPGRADE ACCOUNT' button. Below these cards is a section titled 'Recent Video Bulbs' with a 'View More' button. At the bottom, there are two main panels: 'Tutorials' on the left with a list of items like 'Getting Started', 'Play a demo bulb', 'View pre-made bulbs', and 'Hold students accountable to your videos'; and 'Classrooms' on the right with a 'Manage roster' link. A small orange star icon is in the bottom left corner, and a colorful logo is in the bottom right corner.

playposit

DASH BULBS MONITOR DESIGN

WALLACE M...
Search Code: w5b030

0 VIDEO BULBS

0 ACTIVE STUDENTS

Go Premium
Supercharge your less...

FILL OUT PROFILE

DESIGN VIDEO BULB

ADD STUDENTS

UPGRADE ACCOUNT

Recent Video Bulbs

View More

Tutorials

Getting Started

Play a demo bulb

View pre-made bulbs

Hold students accountable to your videos

Classrooms

Manage roster

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

What is Light-weight LMS?

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

Video Search Results

INTEGRATIONS



11 Shocking Effects ...
American Eye

11 Shocking Effects of Climate Change



USE PREVIEW



How to address the ri...
Food and Agriculture Or...



USE PREVIEW



How Whales Change ...
Sustainable Human



USE PREVIEW



NASA: Climate Chan...
SupernovaNL



USE PREVIEW



Climate Change: The ...
Conservation Corps Ne...



USE PREVIEW



What is climate chan...
GBRclimatechange



USE PREVIEW



« Water and climate c...
Sauvons l'eau



USE PREVIEW



28 - The consequenc...
potholer54



USE PREVIEW

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

What is Light-weight LMS?

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

The screenshot displays the Playposit LMS interface. On the left, a video player shows a video titled "11 Shocking Effects of Climate Change" with a thumbnail featuring the American flag and the word "AMERICAN". The video progress bar indicates 00:08 out of 08:15. Below the video player are controls for play, pause, and volume, along with buttons for "Preview", "Crop Video", "Finish Build", and "Add Question".

On the right, a panel titled "Not sure what to do now? Checkout this tutorial." contains a grid of question types: Multiple choice, Free response, Reflective pause, Check all apply, Skip Segment, Website, Fill in blank, Polling, and Cancel. A red "X" icon is next to the "Cancel" button. At the bottom of this panel, a red text prompt says "Place Question At 00:08".

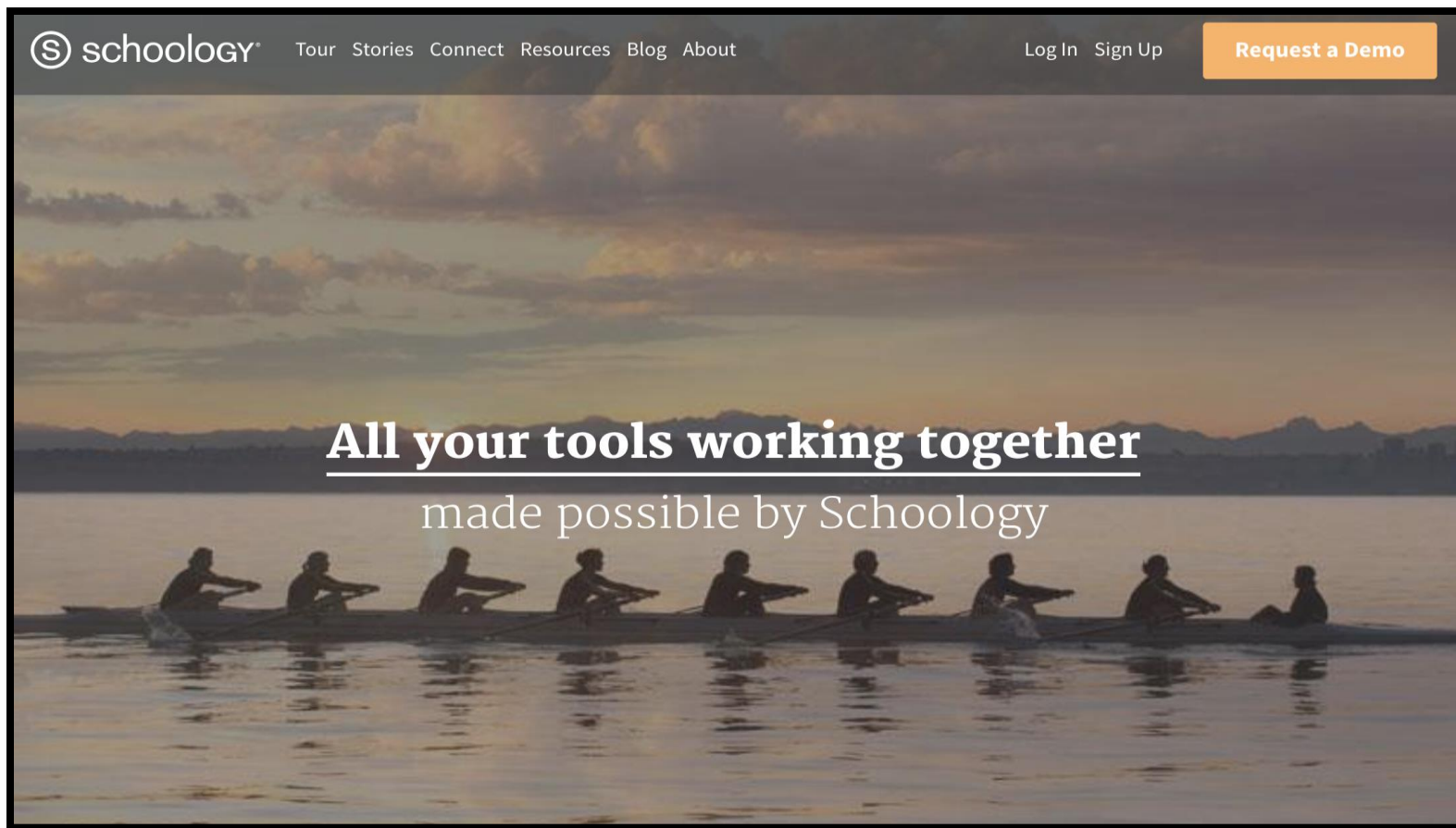
At the top right of the interface, there are links for "PRINT WORKSHEET" and "SAVE AND CONTINUE".

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/>

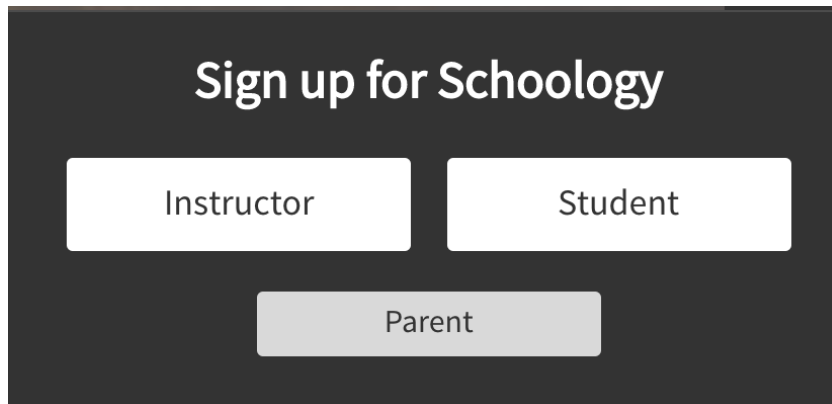


2. Introduction to Light-weight LMS and Their Roles on E-Assessment

What is Light-weight LMS?

Introduction and hands-on of interactive LMS:

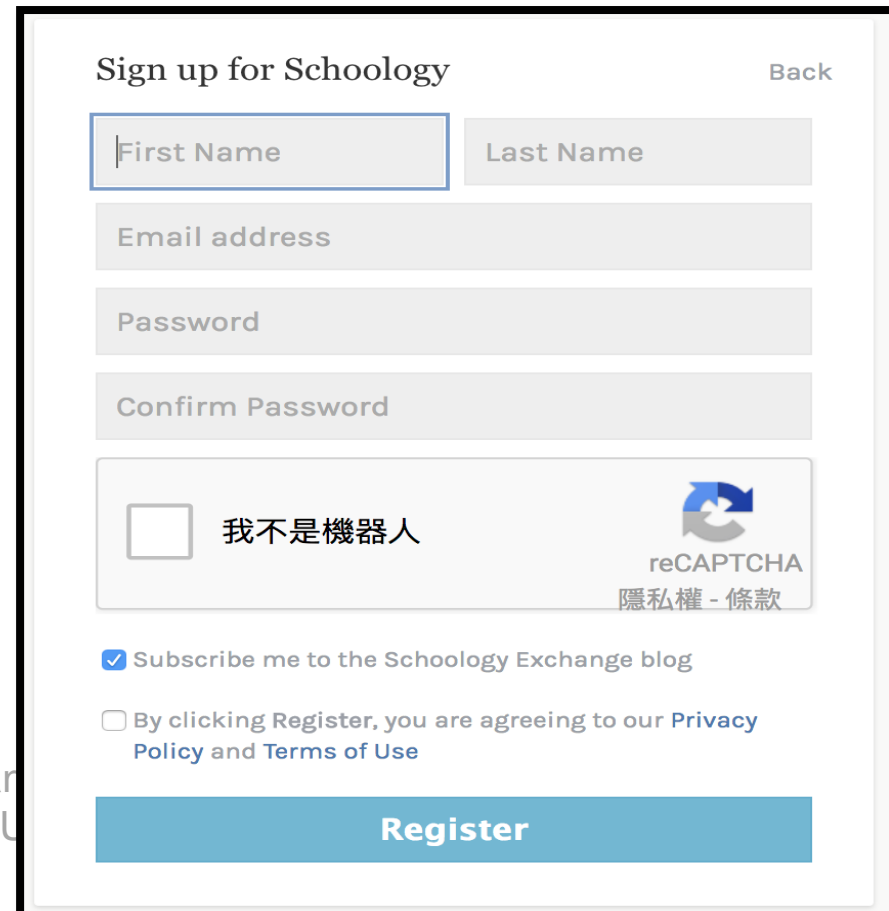
Schoology : <https://www.schoology.com/>



Sign up for Schoology

Instructor Student

Parent




Sign up for Schoology Back

First Name Last Name

Email address

Password

Confirm Password

☐ 我不是機器人  reCAPTCHA
隱私權 - 條款

☒ Subscribe me to the Schoology Exchange blog

☐ By clicking Register, you are agreeing to our [Privacy Policy](#) and [Terms of Use](#)

Register

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 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 '162 pending review test/quiz submissions'.
- Upcoming:** This section states '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).

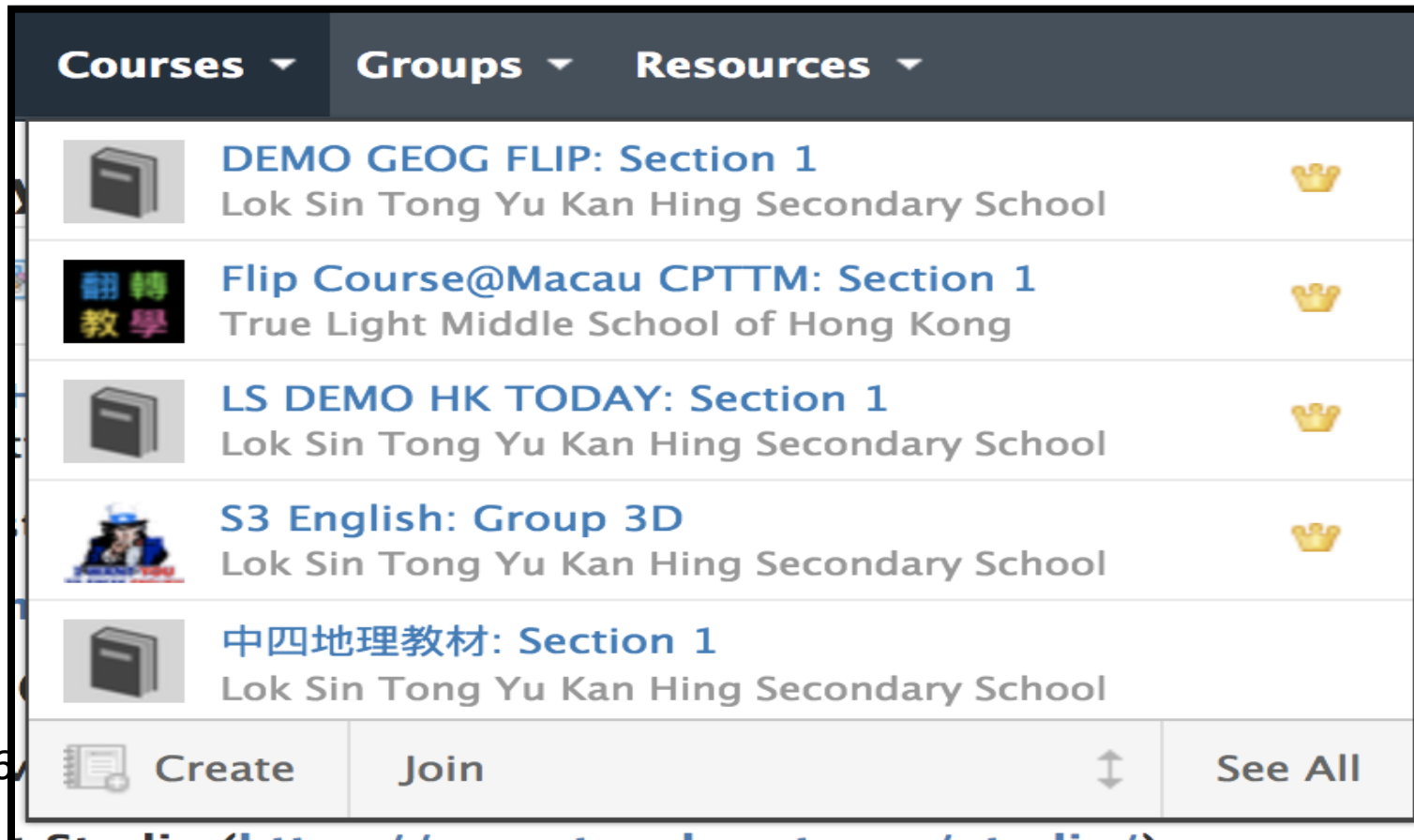
The left sidebar contains links to 'Recent Activity', 'Grades/Attendance', 'Calendar', 'Messages', 'People', 'Subscriptions', 'App Center', and 'Invite Colleagues'.

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 user interface. At the top, there is a navigation bar with three tabs: 'Courses', 'Groups', and 'Resources'. Below this, a list of courses is shown, each with an icon, a title, the school name, and a crown icon indicating it is a featured course. The courses listed are:

- DEMO GEOG FLIP: Section 1** by Lok Sin Tong Yu Kan Hing Secondary School
- Flip Course@Macau CPTTM: Section 1** by True Light Middle School of Hong Kong
- LS DEMO HK TODAY: Section 1** by Lok Sin Tong Yu Kan Hing Secondary School
- S3 English: Group 3D** by Lok Sin Tong Yu Kan Hing Secondary School
- 中四地理教材: Section 1** by Lok Sin Tong Yu Kan Hing Secondary School

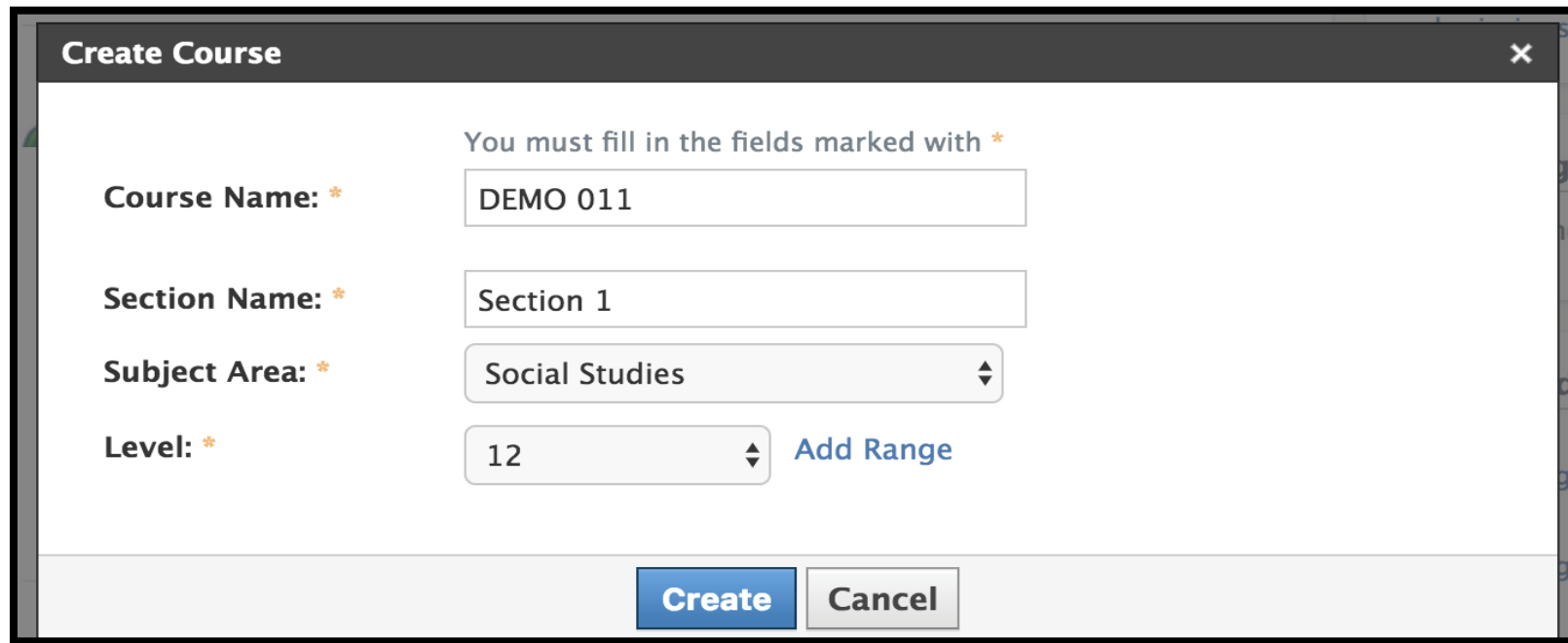
At the bottom of the list, there are four buttons: 'Create' (with a document icon), 'Join' (with a person icon), a vertical double-headed arrow icon, and 'See All'.

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 marked with an asterisk (*):

- 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 displays the Schoology LMS interface. At the top, the navigation bar includes the Schoology logo, a search icon, 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 titled 'DEMO 011: Section 1' and is associated with 'Lok Sin Tong Yu Kan Hing Secondary School'. A sidebar on the left provides navigation options such as Materials, Updates, Gradebook, Badges, Attendance, Members, and Analytics. The main content area features a section titled 'Get your course up and running by adding and organizing your materials'. This section includes a diagram illustrating the process of adding and organizing materials, with a list of materials: Unit 1: Introduction, Lesson One, Class Discussion, Homework Assignment, and Practice Quiz. There are also sections for 'Adding Your Materials' and 'Organizing Your Materials'.

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.

The Facebook logo, featuring the word "facebook" in a white, lowercase, sans-serif font, enclosed within a solid blue rectangular box.

facebook

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



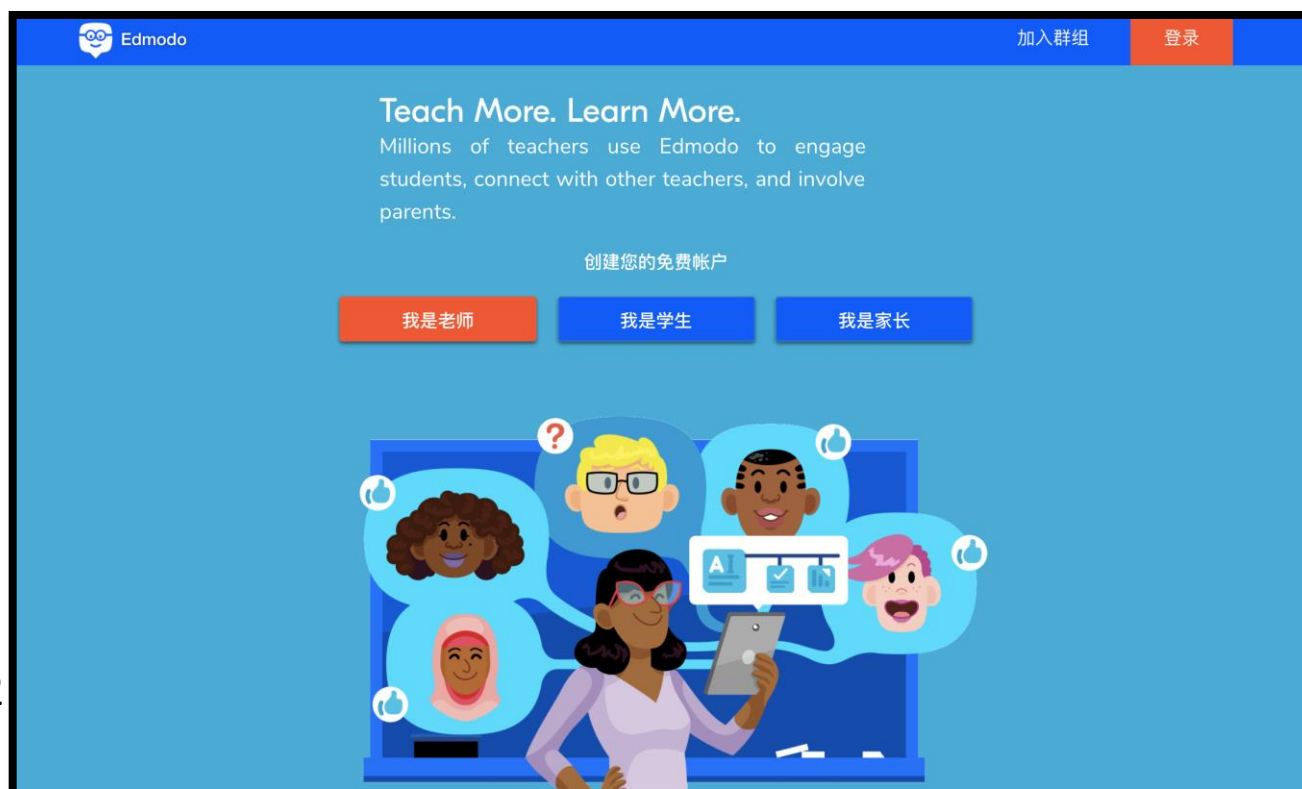
3. E-assessment and Social Network

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

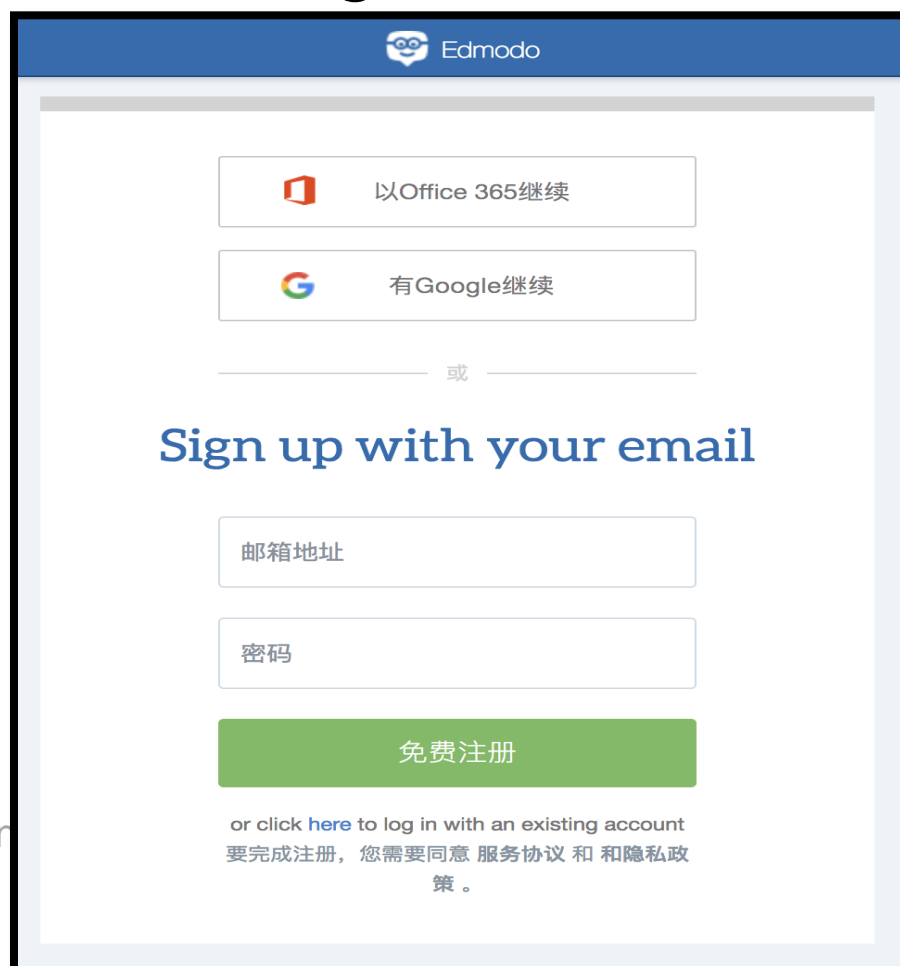
*學生帳戶 – 不須提供電郵



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)



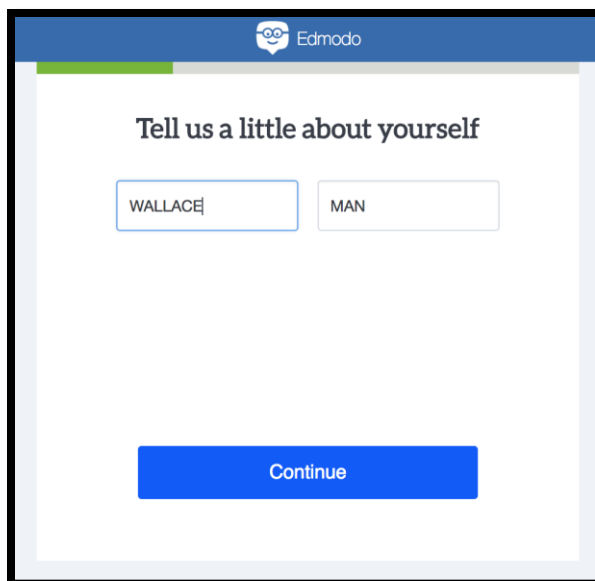
The image shows the Edmodo sign-up page. At the top is the Edmodo logo. Below it are two buttons for social login: "以Office 365继续" (Continue with Office 365) and "有Google继续" (Continue with Google). Below these is a separator line with the character "或" (or). The main heading is "Sign up with your email". There are two input fields: "邮箱地址" (Email address) and "密码" (Password). Below the fields is a green button labeled "免费注册" (Free registration). At the bottom, there is a link: "or click [here](#) to log in with an existing account". Below the link is a line of 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

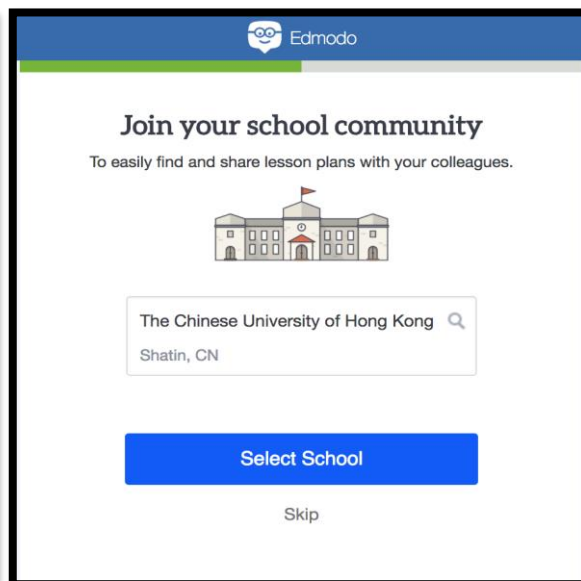


Edmodo

Tell us a little about yourself

WALLACE MAN


Continue



Edmodo

Join your school community

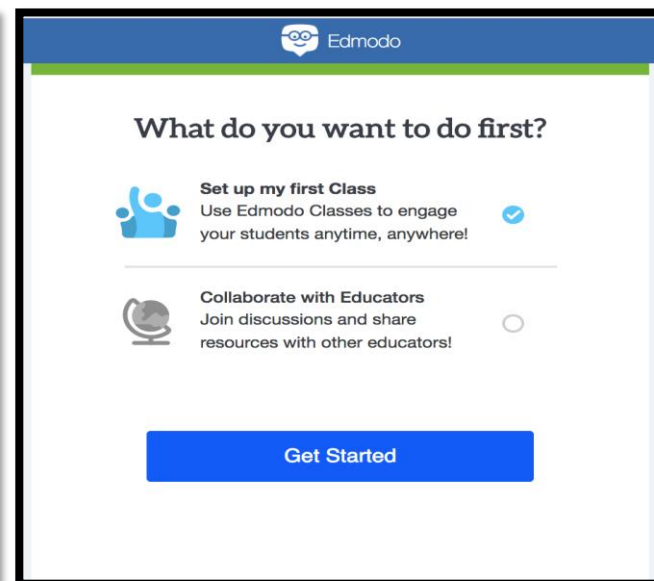
To easily find and share lesson plans with your colleagues.



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! ☒

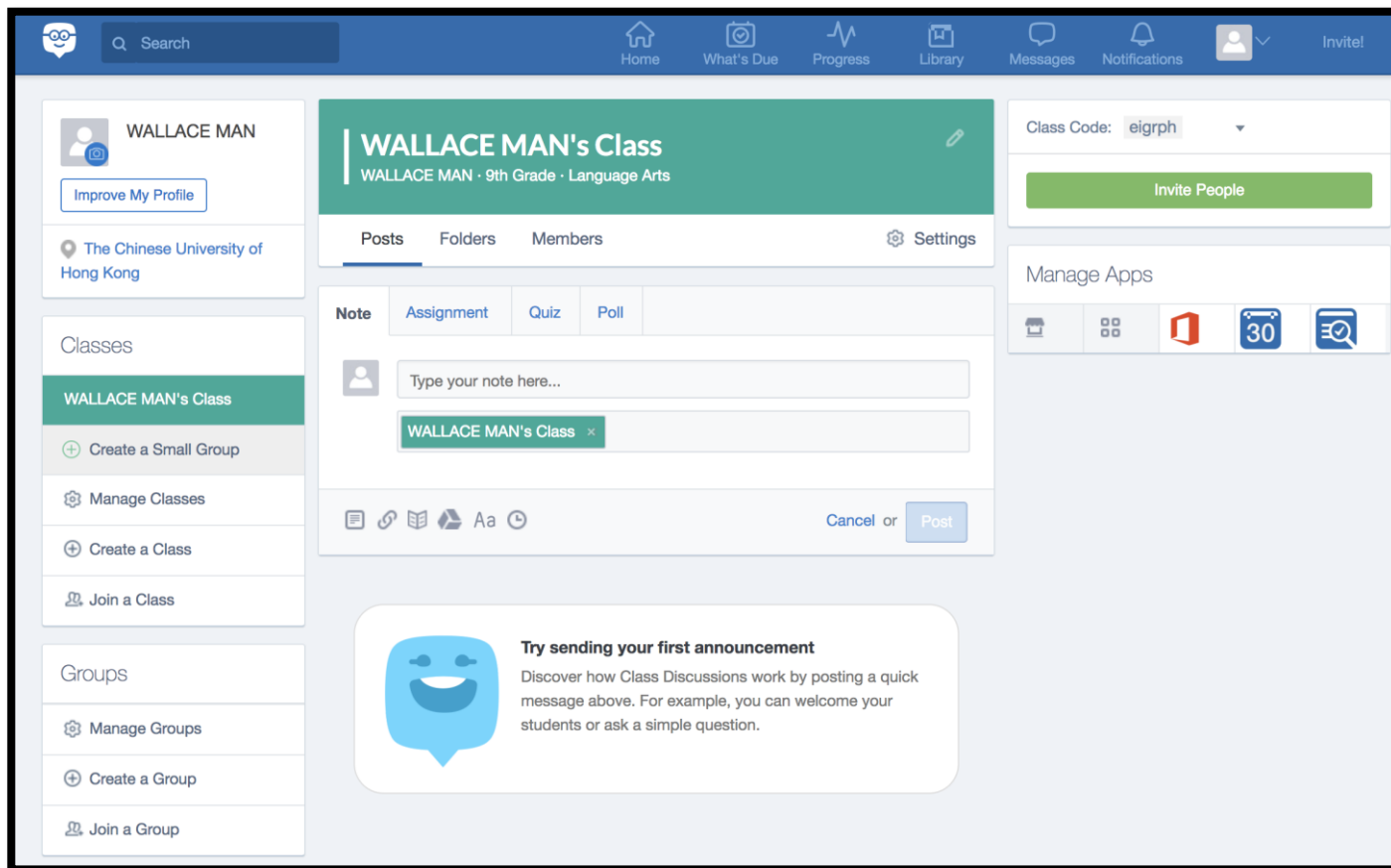
 **Collaborate with Educators**
Join discussions and share resources with other educators! ☐

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

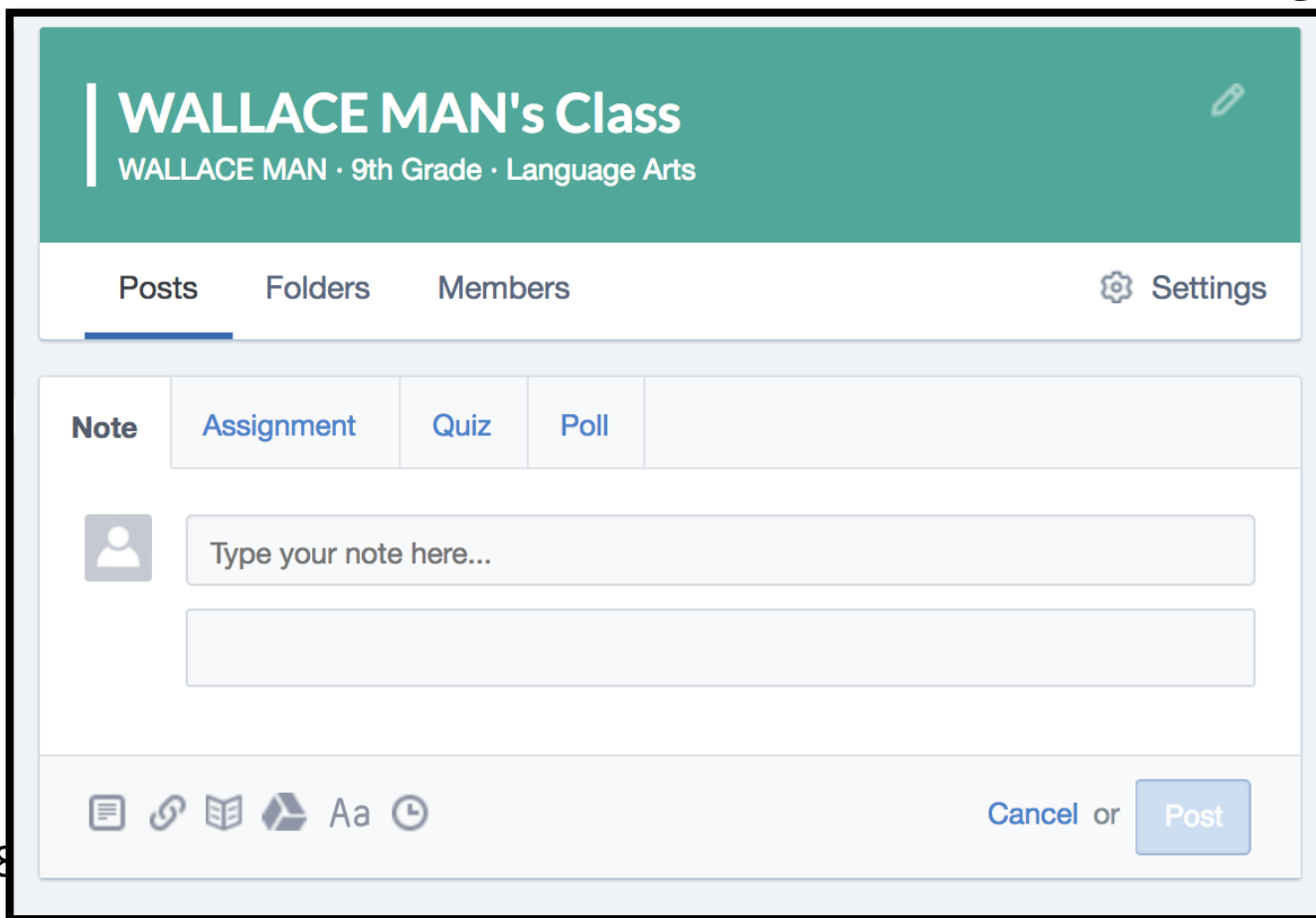
Discover how Class Discussions work by posting a quick message above. For example, you can welcome your students or ask a simple question.



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' interface, which is for 'WALLACE MAN · 9th Grade · Language Arts'. The top navigation bar includes 'Posts', 'Folders', 'Members', and a 'Settings' gear icon. Below this, there are four tabs: 'Note' (selected), 'Assignment', 'Quiz', and 'Poll'. The 'Note' tab is active, showing a text input area with the placeholder 'Type your note here...'. To the left of the input area is a user profile icon. At the bottom of the interface, there is a toolbar with icons for text, link, image, and document, followed by a 'Cancel or Post' button.



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)

WALLACE MAN's Class
WALLACE MAN · 9th Grade · Language Arts

Posts Folders Members Settings

Note **Assignment** Quiz Poll

Assignment title

Due Date 11 : 45 PM

☐ Lock this assignment after its due date
☒ Add to Gradebook

Assignment Description

WALLACE MAN's Class x

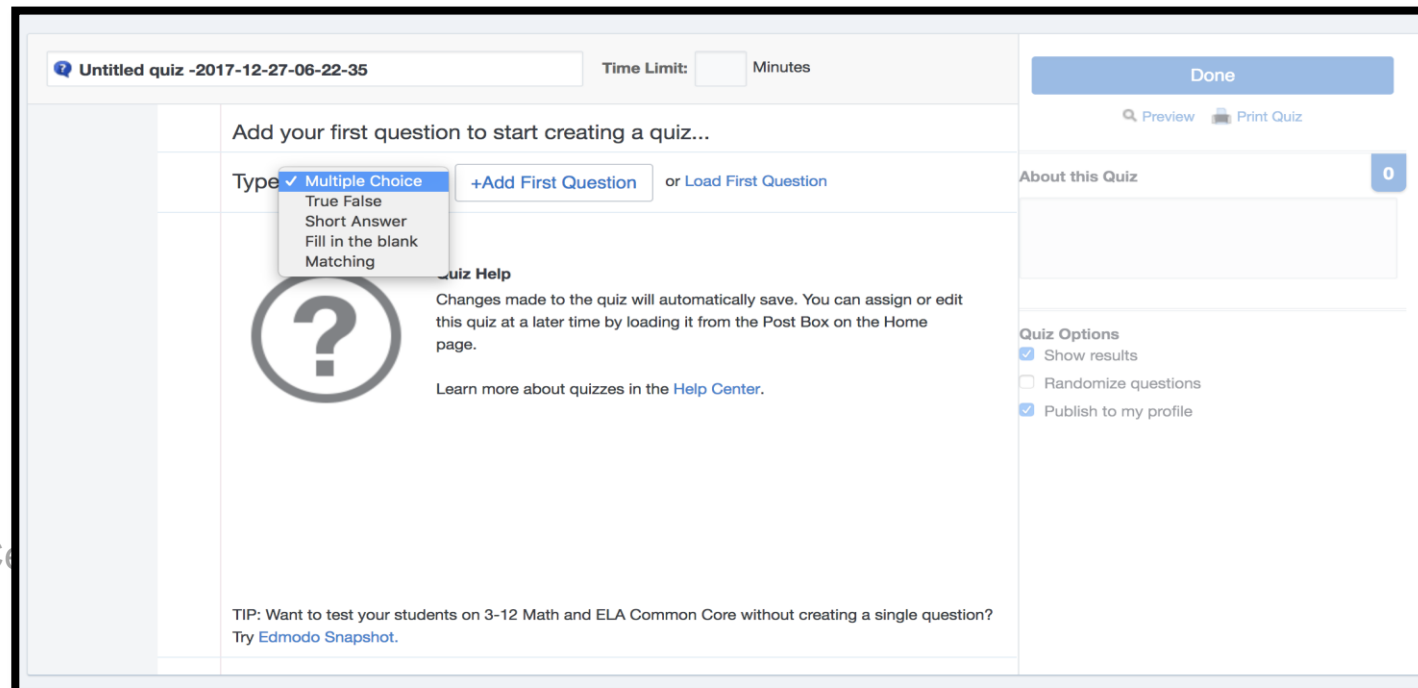
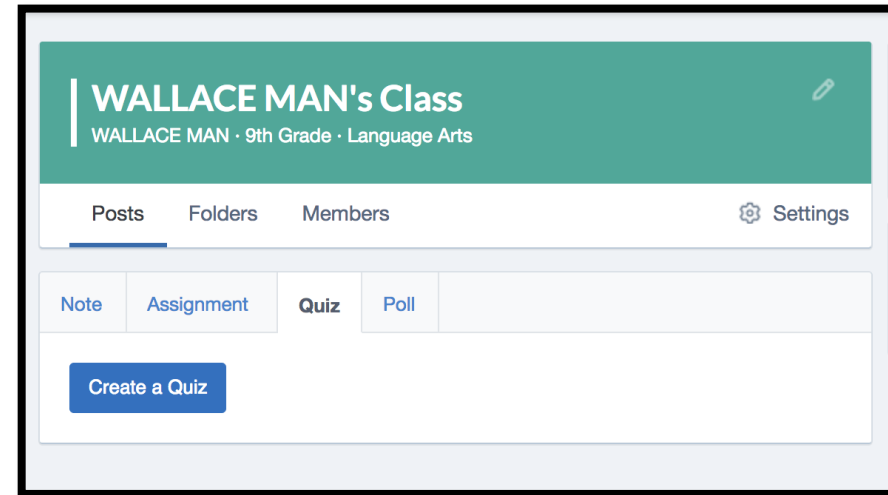
Send Later Cancel or Send



3. E-assessment and Social Network

步驟八：

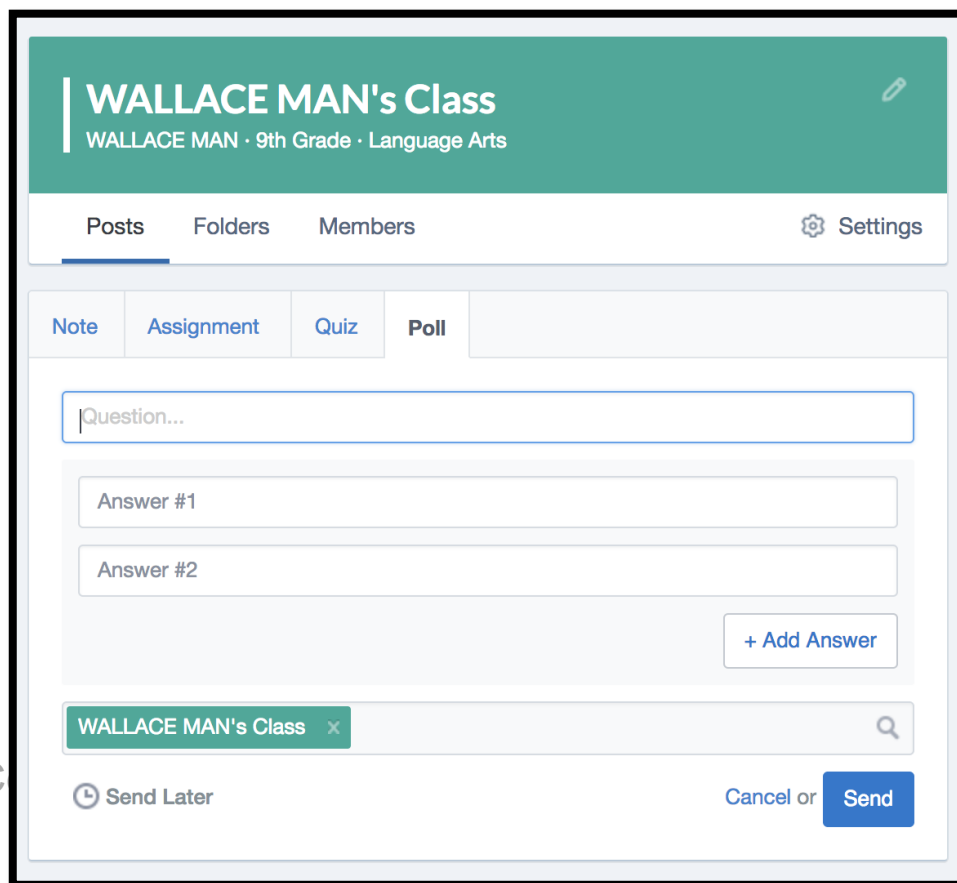
- Quiz 可加入測驗 及 設定功課提交日
- 題型：MC/ TF/ SQ/ Fill in Blank/ Matching



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' interface, which is for 'WALLACE MAN · 9th Grade · Language Arts'. The top navigation bar includes 'Posts', 'Folders', 'Members', and 'Settings'. Below this, there are tabs for 'Note', 'Assignment', 'Quiz', and 'Poll', with 'Poll' currently selected. The main form area contains a 'Question...' input field, followed by two 'Answer #' input fields. A '+ Add Answer' button is located to the right of the second answer field. At the bottom of the form, there is a search bar with 'WALLACE MAN's Class' entered, a 'Send Later' button, and 'Cancel or Send' buttons.



4. Discussion on the Assessment Quality-assurance Platform (AQP) by HKEAA



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？

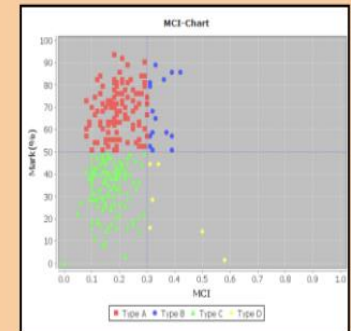
1. 操作簡易 AQP 是一套網上系統，老師基本上只需按視窗的指示操作，便可輕易完成分析。AQP 能讀取和輸出 Excel 檔案，方便老師與其他系統交換數據。
2. 功能齊全 AQP 提供不同層次的分析。當中包括多種統計指標，並提供表列和圖表等顯示結果的選擇，配合不同的工作需要。同時設有試題庫功能，方便「度身訂造」最符合學生學習需要的試卷或練習。

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。

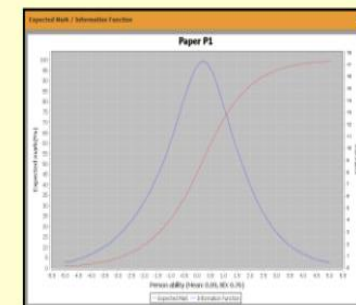
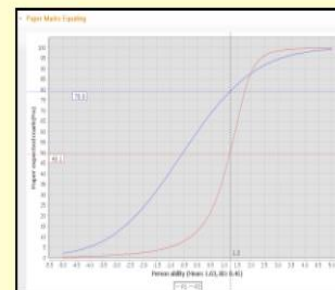
試卷分析

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%	74.99%	11.43%	54.66%	67.27%	74.56%	81.82%	99.10%	0.69	7.30%	>>
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)



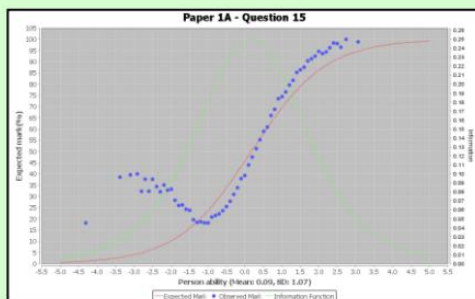
AQP 有什麼特點？

題目分析

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

Figures Table

Paper	Ques. No.	Type	Full Mark	Weight	Elective	Attempt Rate	Mean	SD	Diff.	Alpha	Disc.	Fit
P1	1	Non-MC	4.00	0.20	/	100.00%	81.92%	20.02%	0.82	0.82	0.82	0.82
P1	2	Non-MC	2.00	0.30	/	100.00%	89.38%	27.67%	0.89	0.89	0.89	0.89
P1	3	Non-MC	2.00	0.40	/	100.00%	86.08%	47.65%	0.82	0.82	0.82	0.82
P1	4	Non-MC	4.00	0.40	/	100.00%	82.89%	44.34%	0.55	0.55	0.55	0.55
P1	5	Non-MC	2.00	2.00	/	100.00%	74.24%	43.16%	0.59	0.59	0.59	0.59
P1	6	Non-MC	2.00	2.00	/	100.00%	56.06%	48.47%	0.55	0.55	0.55	0.55
P1	7	Non-MC	2.00	2.00	/	100.00%	96.97%	17.27%	0.80	0.80	0.80	0.80
P1	8	Non-MC	2.00	2.00	/	100.00%	96.97%	17.27%	0.58	0.58	0.58	0.58
P1	9	Non-MC	2.00	2.00	/	100.00%	90.91%	28.97%	0.58	0.58	0.58	0.58
P1	10	Non-MC	2.00	2.00	/	100.00%	90.91%	28.97%	0.58	0.58	0.58	0.58
P1	11	Non-MC	2.00	3.00	/	100.00%	90.91%	28.97%	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



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

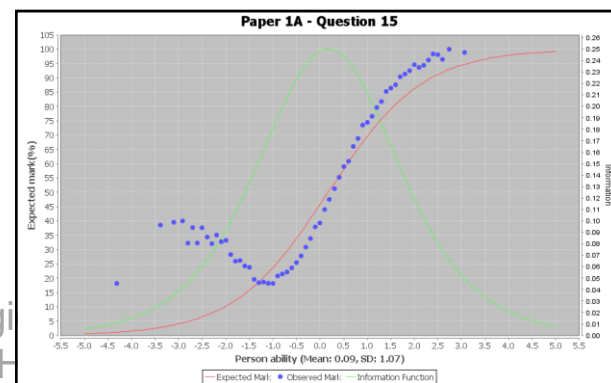
3

層面分析報告

試卷層面

題目層面

學生層面




AQP 的 123

<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?	

輸入分數


**ASSESSMENT
QUALITY ASSURANCE
PLATFORM**
 評核質素保證平台

English 简体中文 繁體中文 | Help | Logout
 Hello! 1617 / au

Input Mark By Student Update Self Info. **FAQ**

Back Save and Exit

Title: Test_input

	Paper	Que. No.	Subitem No.	Full Mark	Mark / MC Ans.
1	P1	10	1	1	<input type="text" value="1"/>
2	P1	20	1	1	<input type="text" value="0"/>
3	P1	30	1	2	<input type="text" value="2"/>
4	P1	40	1	3	<input type="text" value="1"/>
5	P1	50	1	3	<input type="text" value="2"/>
6	P2	1	1	1	<input type="text" value="A"/> ▼
7	P2	2	1	1	<input type="text" value="A"/> ▼
8	P2	3	1	1	<input type="text" value="C"/> ▼
9	P2	4	1	1	<input type="text"/> ▼
10	P2	5	1	1	<input type="text"/> ▼

Back Save and Exit

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した **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 (Date : __/04/2018)
- File name: CUHK_EA_ASSIGNMENT(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		



聯絡

Tutor: Mr. Richard Chiu
Email: richard.cuhk@gmail.com

