

English Language Learning & MEEPLE

Micro-credentialing Ecosystems Enabling Personal
Learning Environments

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1. Fragmentation of Learning

- ROI from formal qualifications is diminishing while costs of earning qualification rise.
- Individuals constantly acquire skills, knowledge and capabilities in both formal and informal settings.
- How can all learning that has occurred be accurately measured, recognised, validated, acknowledged and rewarded?

1.1. Micro-Credential / Badge

A Micro-Credential / Badge is a **validated indicator** of an accomplishment, skill, quality or interest that is linked to an individual.

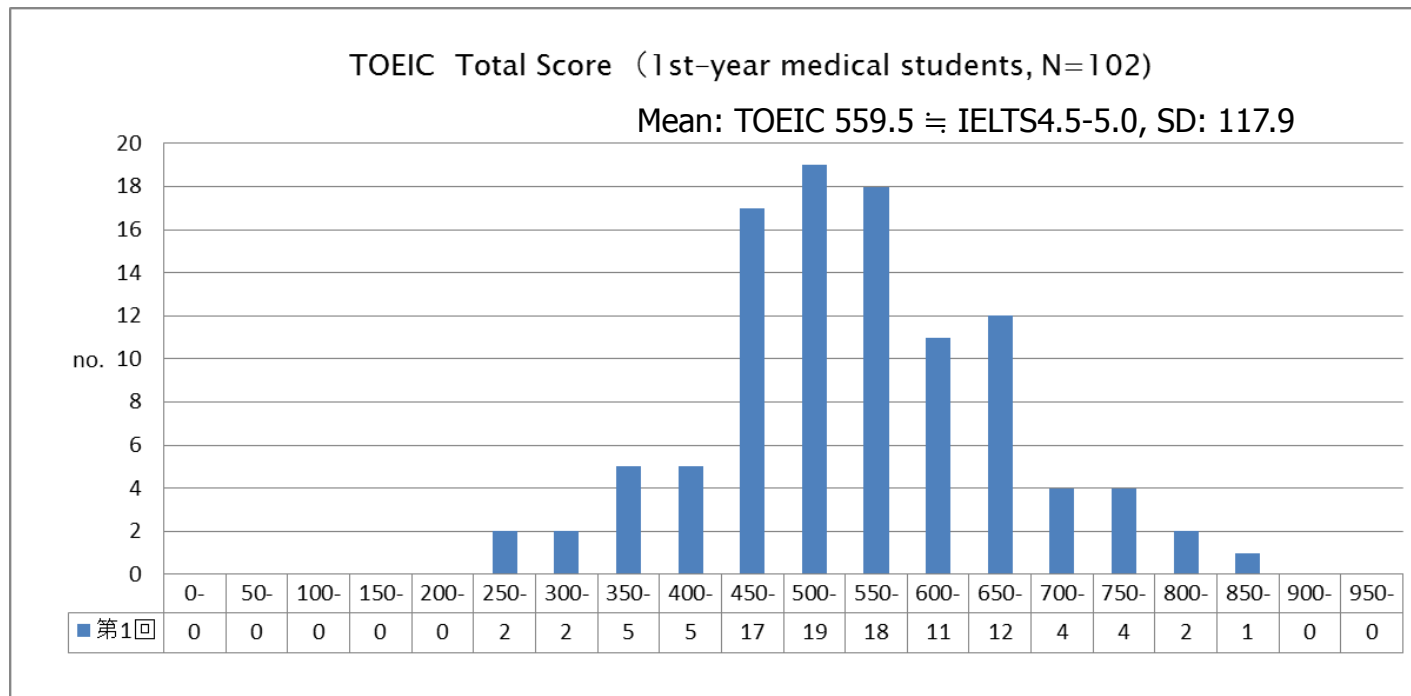
1.2. Ecosystems

- An ecosystem provides the infrastructure for individuals to provide a pictorial display of **their achievements** through the display of a selected collection(s) of Micro-Credentials.
- These collections signal achievement to potential employers, peers, educational organisations, professional and social groups

2. A case in language education in Japan

Challenges language teachers in Japan face:

- Growing need for students to use English in their future professions
- Limited exposure to English (EFL environment)
- Students' different English levels



2.1. Moodle Courses for teaching English for Medicine

The screenshot displays a Moodle course interface with a sidebar on the left and a main content area on the right. The sidebar shows a navigation menu with units 6, 7, 8, and 9. The main content area is divided into two sections: a forum and a quiz preview.

Forum Section:

- Post 1:** Forum 02: What do you think you can do to keep your bones healthy? (2013年 04月 16日). The text "What do you think" is visible.
- Post 2:** Re: Forum 02: (2013年 04月 16日). The text "In order to pr but swimming" is visible.
- Post 3:** Re: Forum 02: (2013年 04月 16日). The text "In today's clas", "I think that I c", "Now, I was sc", and "I think that I t" is visible.

Quiz Section:

- Review Quiz: Unit07 のプレビュー**
- Button: [もう一度始める](#)
- Warning: 注意: 現在あなたの学生はこの小テストを利用できません。
- Question 1:** 1. 次の空所に適切な語を入れて睡眠時無呼吸症候群の説明を完成させなさい。 (Score: 8). The text reads: "In Obstructive sleep [dropdown], the muscles of the soft [dropdown] around the base or the [dropdown] and the [dropdown] relax, obstructing the airway. The airway obstruction causes the level of [dropdown] in the blood to fall, increases the stress on the heart, [dropdown] blood pressure, and prevents the patient [dropdown] entering "REM sleep," the restful and [dropdown] stage of sleep."
- Question 2:** 2. (Score: 18). A list of medical specialties with dropdown menus for selection:
 - 形成外科医
 - 耳鼻咽喉科医
 - 麻酔科医
 - 神経科医
 - 皮膚科医
 - がん専門医、腫瘍学者
 - 婦人科医
 - 心臓専門医
 - 泌尿器科医
 - 小児科医
 - 外科医
 - 整形外科医
 - 内科医
 - 放射線科医
 - 歯科医

2.2. Reflection on my courses

- Learners need to constantly review and practice their skills to improve their level of English language.
- I need to offer review courses which suit learners' levels, needs and skills required.



I need to find new strategies and techniques

(1) that will **help** learners **identify** and **engage** with the **suitable** level of information and in **appropriate** level of activities.

(2) that will **encourage** learners to **engage** with the review materials identified and participate **autonomously** in practice activities.



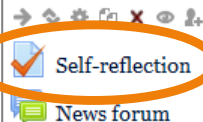
User name: demostudent
Password: demo2013

3.1. Challenge (1)

(1) I need to find new strategies and techniques that will help learners identify and engage with the suitable level of information and in appropriate level of activities.

Course outline

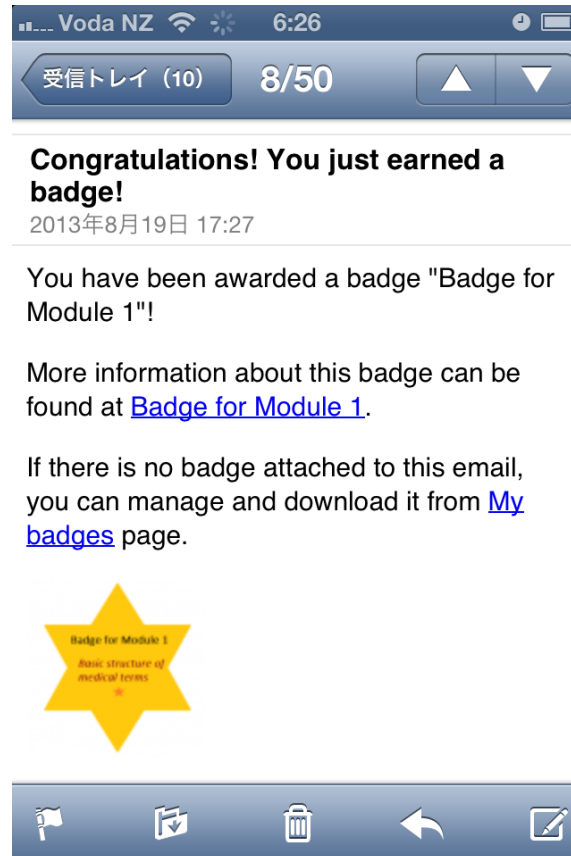
- **Course name: Medical Terminology (Level 1)**
- **Targeted students:** first-year (freshmen) medical and nursing students
- **Course objectives:**
 - to help students build up (or review) basic terminology of medicine (prefix, suffix, body parts, symptoms)
- **Course details:** This is a review course for basic medical terminology. This course consists of 10 modules. In each module you learn basic medical terms which are frequently used and are keys to better understanding of up-to-date information about health-related issues, medical conditions, diseases, symptoms and treatments. There are several types of quizzes in each module to check your vocabulary about a specific topic such as the cardiovascular system and the urinary system. You have to take all the short quizzes in each module and pass them. If you have successfully completed the tests, you will be awarded a module 'badge'. When you have received all the module badges in this course and passed the final test, you will be awarded a course 'badge' which means you have successfully completed this basic medical terminology course.
- **Course level:**
 - lower-Intermediate - Intermediate (TOEIC450-650, IELTS 4.5-5.5)
- **Self-reflection:** The following personal competency assessment tool (CAT) enables you to determine your current level of competency in medical terminology. The outcome of your self-assessment can be used to guide which module is suitable for your study.



Self-reflective framework

3.2. Challenge (2)

(2) I need to find new strategies and techniques that will **encourage** learners to **engage** with the review materials identified and participate **autonomously** in practice activities.




Badge is issued




3.3. Learner portfolio

Medical Terminology

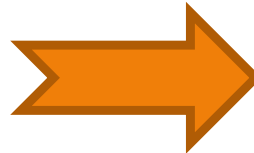
Badge for Module 1

	Issuer Details	
	Name — Instructor	This is for module 1, Medical Terminology (Level 1)
URL — http://moodle.isle.ac.nz		
	Badge Details	
	Name — Badge for Module 1	
	Description — You have successfully completed module 1 of this course.	
	Criteria — http://moodle.isle.ac.nz/badges/badge.php?hash=1bc8205c0364a4f7a46d0007042e1f44eb40775a	
	Evidence — http://moodle.isle.ac.nz/badges/badge.php?hash=1bc8205c0364a4f7a46d0007042e1f44eb40775a	
	Issued — 2013-08-19	

Badge for Module 2

	Issuer Details	
	Name — Instructor	This is for module 2, Medical Terminology (Level 1)
URL — http://moodle.isle.ac.nz		
	Badge Details	
	Name — Badge for Module 2	
	Description — This badge is for successful completion of module 2.	
	Criteria — http://moodle.isle.ac.nz/badges/badge.php	

4. Motivation



Ready to Learn Self-Assessment

Technology Confidence

Attitude to Study Essential Proficient

Essential	
I am willing to try new things.	Agree <input type="button" value="v"/>
I am willing to learn in different ways	Agree <input type="button" value="v"/>
Proficient	
I can see the benefits in using technology	Disagree <input type="button" value="v"/>
I have used technologies in my social experiences.	Partially agree <input type="button" value="v"/>



Medical Terminology

Badge for Module 1

Issue Details
 Name: Instructor This is for module 1, Medical Terminology (Level 1)
 URL: <http://moodle.uak.ac.nz>

Badge Details
 Name: Badge for Module 1
 Description: You have successfully completed module 1 of this course.
 Criteria: <http://moodle.uak.ac.nz/badge/badge.php?id=44480775a>
 Evidence: <http://moodle.uak.ac.nz/badge/badge.php?id=44480775a>
 Issued: 2013-08-19

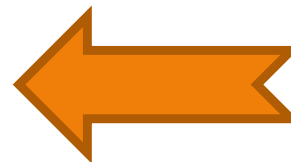
Badge for Module 2

Issue Details
 Name: Instructor This is for module 2, Medical Terminology (Level 1)
 URL: <http://moodle.uak.ac.nz>

Badge Details
 Name: Badge for Module 2
 Description: This badge is for successful completion of module 2.
 Criteria: <http://moodle.uak.ac.nz/badge/badge.php?id=44480775a>



★ Badge for Unit 1	Available to users	<ul style="list-style-type: none"> Complete ALL of: "Quiz - Short test for Unit 1: Spell Out", "Quiz - Short test for Unit 1: Dictation", "Quiz - Short test for Unit 1: Matching", "Assignment - Assignment for Unit 1"
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Unit: Basics for Health Care Professionals

Watching Task: What a video clip titled "An introduction to Maslow's Hierarchy of needs"

An introduction to Maslow's Hierarchy of needs

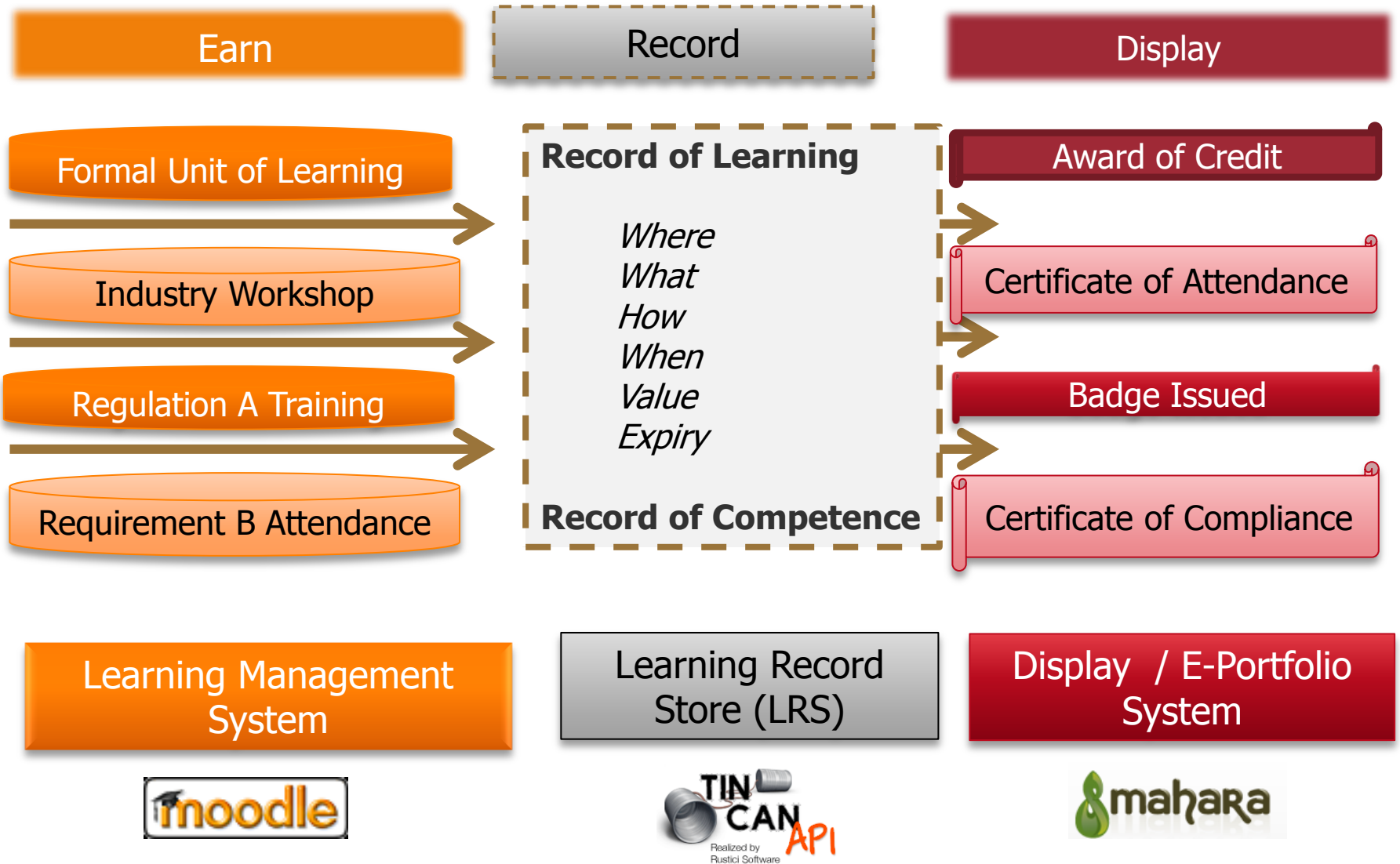
- Assignment for Unit 1
- Short test for Unit 1: Spell Out
- Short test for Unit 1: Dictation
- Short test for Unit 1: Matching

5. Personal learning environment



<http://tincanapi.com/overview/>

7. ERD model



Thank You for listening!



8. Greetings

Thank you for your attention.
ご清聴ありがとうございました。



Sunset at Lake Shinji, Matsue, Shimane