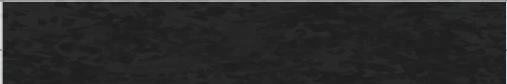

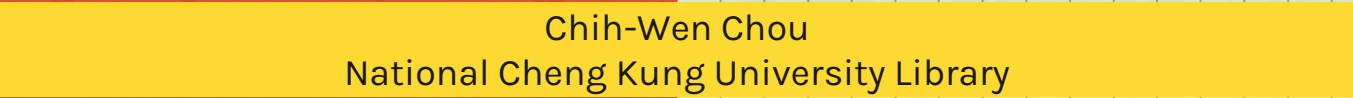




NCKU Library Takes the Initiative: Embedded Library Instructions



REdefine!



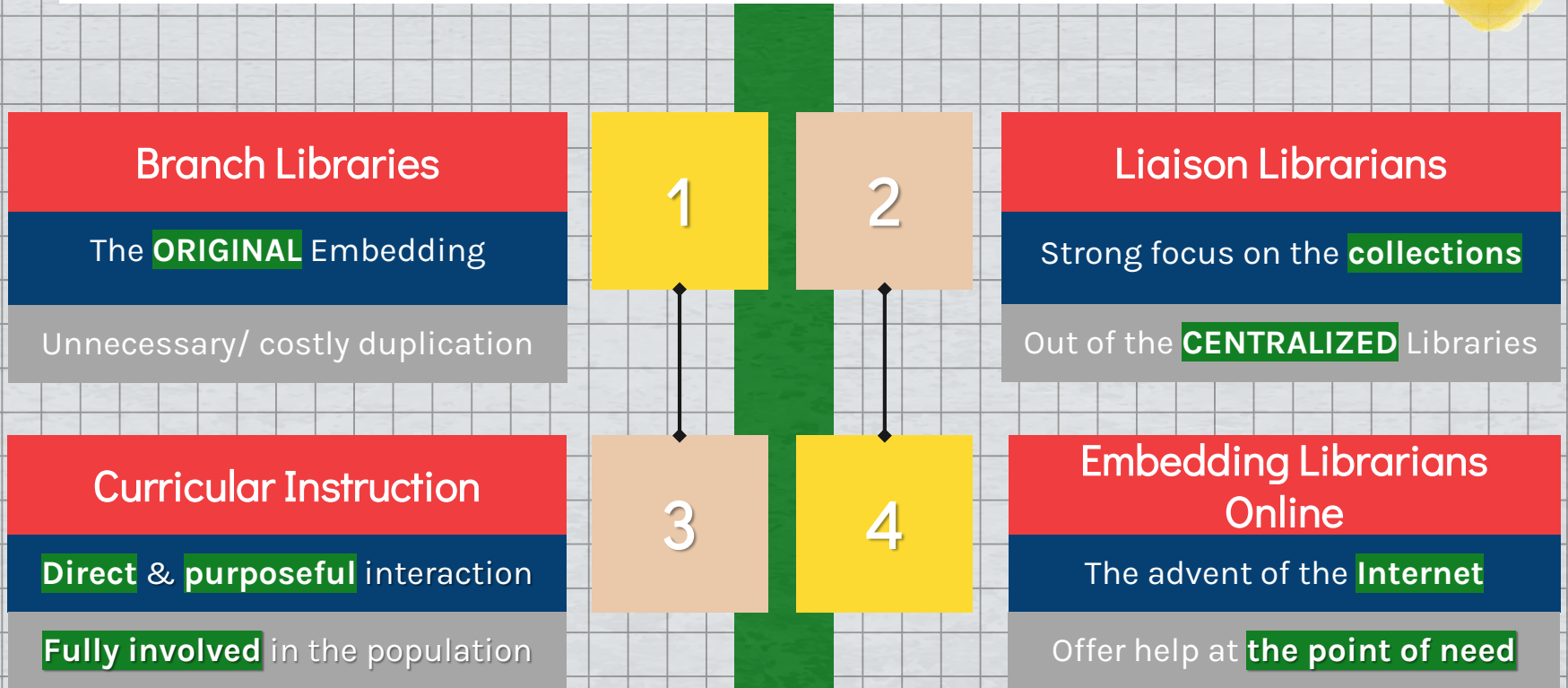
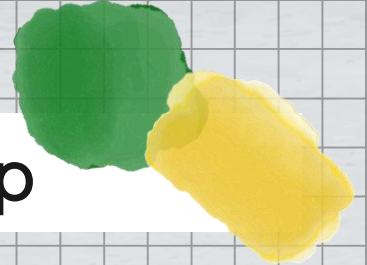
Chih-Wen Chou
National Cheng Kung University Library



01

Preface

A Brief **History** of Embedded Librarianship





What's typically associated with Embedded Librarianship

Critical thinking

question
analyze
interpret
evaluate
make a judgement



Application

doesn't mean being negative
or focusing on faults

clarify thinking
break down a problem

Research skills

database search
citation
reference
academic integrity
EndNote



Various forms of Library Instructions

Database search, citation, reference,
EndNote, Boolean operator, free-text,
etc.

01

Library orientations

New students

Stand-alone instructions

Coherence

02

a multitude of techniques, strategies,
and services centered on library
resources within a limited time period.

Time-consuming, labor-intensive

03

Credit-bearing courses

The most effective instructions

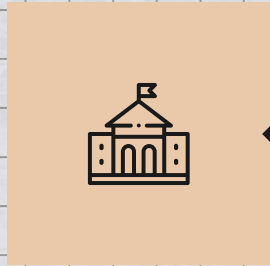
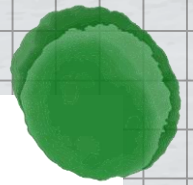
Various forms of Library Instructions

How to further integrate into students' learning journey.



Turning point

Turning point

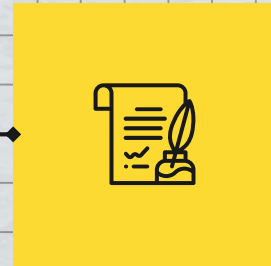


The Bilingual 2030 Policy

Enables Taiwanese professionals to enhance their **bilingual skills** and bolster their **international competitiveness**.

English as a medium of instruction (EMI)

The use of the English language to teach academic subjects, other than English itself.



Turning point



The Bilingual 2030 Policy

Enables Taiwanese professionals to enhance their **bilingual skills** and bolster their **international competitiveness**.

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Our teachers are tasked with developing a whole new EMI course.



How can we help out?







18-week long!

Do we have sufficient topics to fill the entire semester?



My English isn't quite there yet to lead courses in English.



habitual
daily routines
mastered tasks
beliefs & values...



All growth
starts at
the end of
your
comfort
zone.



personal growth

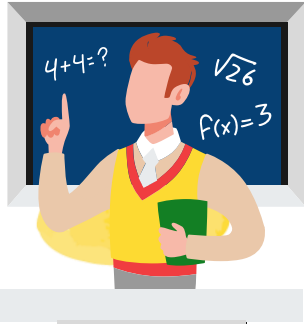
sense of
accomplishment



new opportunities

resilience building

learning



Main Target: Sophomore

Class dropping can occur at any time!



Strike a balance

Burden/ Stress

Anxiety of the
librarians



Engagement

Enhance student
participation

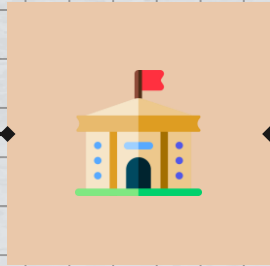
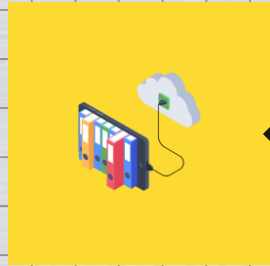
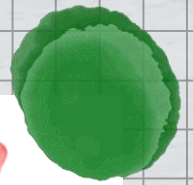
Workload

Burnout?



Development of EMI course:

Information Literacy Meets Biotechnology/Evidence-based Healthcare



Library-Department Collaboration

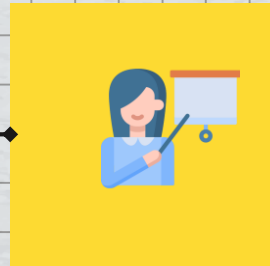
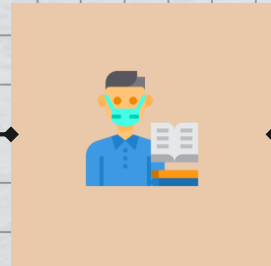
Integrate library resources into research career

A blend of formal courses & library instructions

Co-teach Class

Librarians: Instructional assistant

Faculty: Supervision & Grading



Evaluation: **Pre-test** vs. **Post-test** Survey

02

Course Design



Starting from the
absolute basics

OPEN for creative
presentation



Development of the Curriculum

Beginner



Introduction

vs.

Information Life Cycle

Intermediate



Electronic Resources

vs.

Information Retrieval

Advanced



Systematic Review

vs.

Final Report

2-hour elective course

lecture

50%

Hands-on

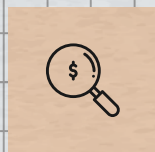
50%

Teaching methods

Short clips

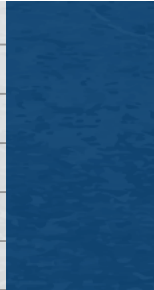
gamify

discussion



“**Creativity** is intelligence
having **fun!**”

—Albert Einstein



03

Teaching **Materials**



What do you mostly use your phone for?



_____ ○

_____ ○

_____ ○

_____ ○

_____ ○

A good habit on social media

Digital Citizenship:

Be aware of our digital footprint that we leave behind

T.H.I.N.K. Before You Post

- T → = Is it True?
- H → = Is it Helpful?
- I → = Is it Inspiring?
- N → = Is it Necessary?
- K → = Is it Kind?

Introduction

Did you *just*
Google?

Video clip



Google only searches the tip of iceberg.

Google is a popularity contest.

Group Competition



Points

Times on stage

15

Quality

25

Time management

20

Technology novelty
e.g., use a new application to demo

20

Creativity

20

100

BP Oil Disaster



9:45 pm
April 20, 2010

Information Timeline

**Event
Occurs**

**Same
Day**

Weeks

Months

One Year

**Multiple
Years**

An explosion and fire on the BP Deepwater Horizon oil facility in the Gulf of Mexico

Reports appeared online and on television like *New York Times* online and *CNN*.

Compiled reports on popular magazines like *Time* and *Newsweek*

Trade magazines & academic journals, e.g., *the Journal of Coastal Research*

Full-length books & government reports, e.g., *A Hole at the Bottom of the Sea*

General & specialized encyclopedias, e.g., *Encyclopedia of Environmental Disasters*

resources

witnesses

**witnesses &
company
representative**

the press

the academia

**the academia &
the government**

the publishers

authority

yet to be confirmed

yet to be confirmed

too early to have a complete picture

credible authors

credible authors & representative

credible authors



In-class exercise

- Find a case in real life that can be applied in the scenario of Information Life Cycle
- Demonstrate the whole process below in 5 minutes. Preparation: 20 minutes

Event Occurs

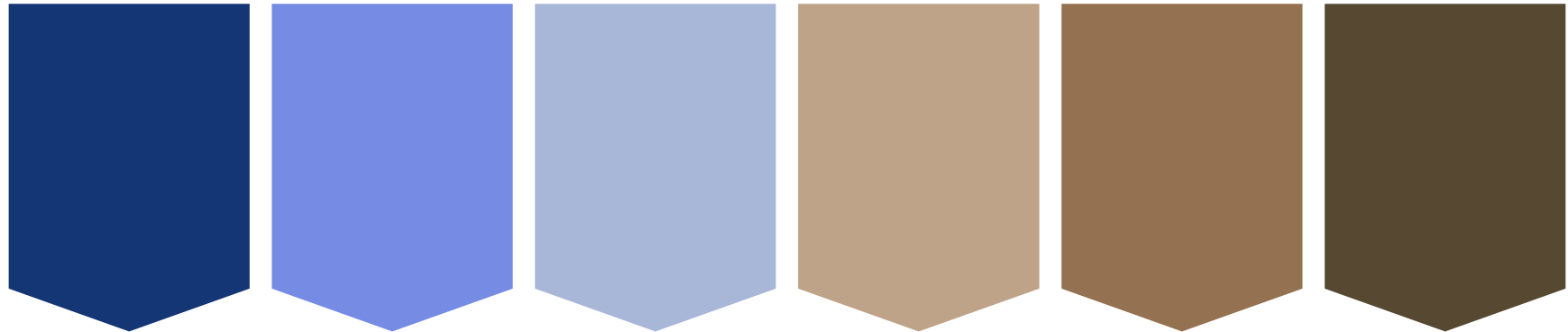
Same Day

Weeks

Months

One Year

Multiple Years

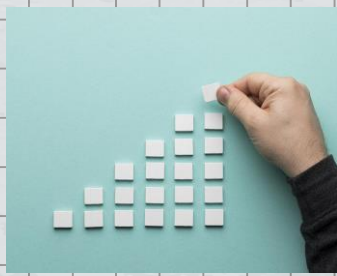


resources

authority



Varied instructional approaches



Benefits:

1. Versatility
2. All-in-one Platform
3. Collaboration

And Customization

Bingo Bingo!



Random Numbers

Replace the letters with your own random numbers from 1-9

Focus!

Pay attention to the class and the questions!

Act quickly!

Raise your hand to answer

Call out a number

The first one answers correctly has the right to call a bingo number

Cover 3 of those squares in a vertical, horizontal, or diagonal row.

The first player has 2 in a row can call out *BINGO!*

1	5	3
4	2	7
9	8	6

Answer sheet

1. Answer:
2. Answer:
3. Answer:
4. Answer:
5. Answer:
6. Answer:
7. Answer:
8. Answer:
9. Answer:

Your Name

Week 6 Electronic Resources II

Backward citation

**30 citations
(fixed number)**

Atwal, A., Caldwell, K. (2005)

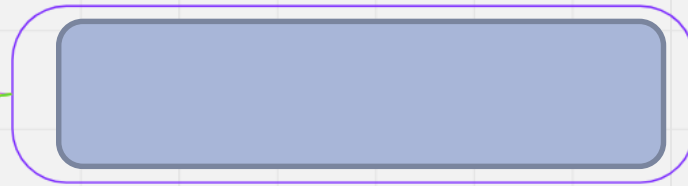
Bannon, M.J., Carter, Y.H. (2003)

Crocker, D. (1996)

Doyle, J., 2008

Feng, J.-Y., Levine, M., 200

Glaser, B., Strauss, A., 1967



Forward citation

**27 citations
and increasing...**

Greco, A.M., et al. (2022)

Alfandari, R., et al. (2022)

Zafar, N., et al. (2021)

Antwi, W.K., et al. (2021)

Nouman, H., et al. (2020)

Farrell, A., et al (2020)

Tomlinson, K., et al (2019)

Konijnendijk, A.A.J., (2019)

Schertz, M., (2018)

The works in forward citations are *older* than the ones in backward citations?



True



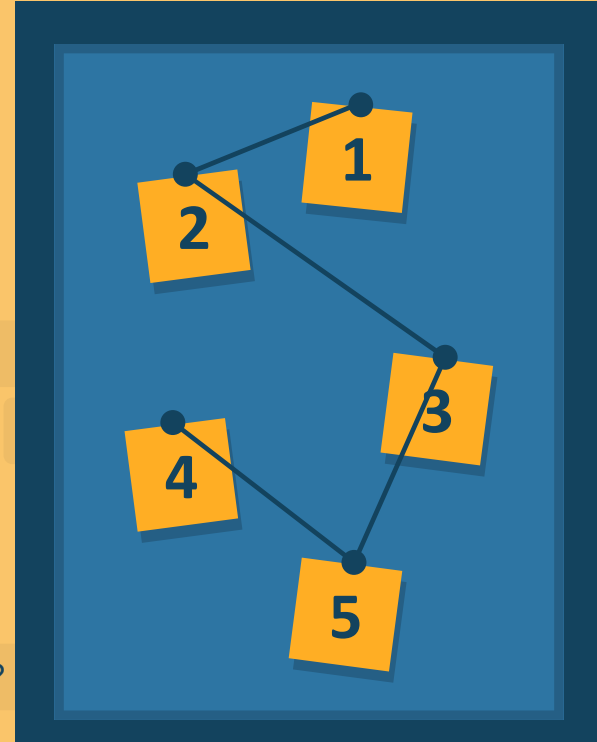
False



#1

Clues!

- Where is it indexed?
 - Included in a major database?
 - Articles discoverable?
 - What is its publishing history?
 - Who are the members of the editorial board?
 - Is it peer-reviewed?
 - How long does it take?
 - Is it a reasonable timeframe?
 - What is its impact factor?
 - Impact factor?
 - Any other bibliometric measurements?
- Let's take a look at an example

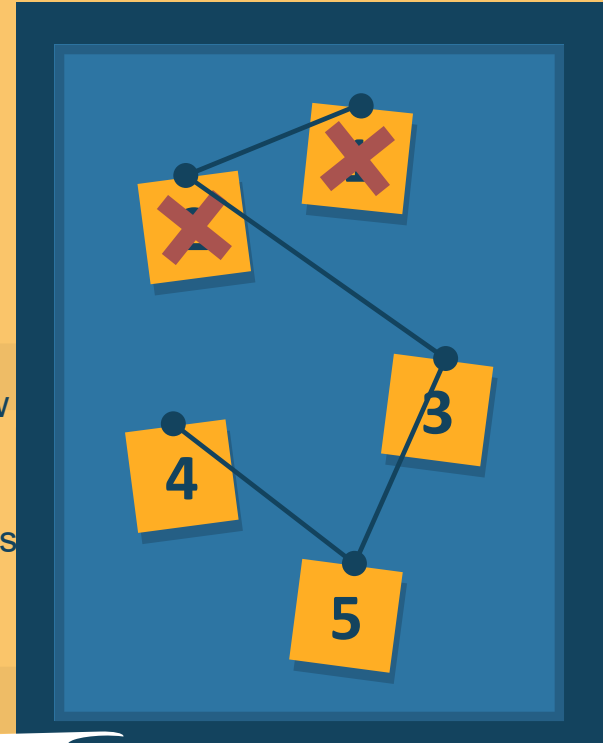


Warning signs!

- Spelling mistakes
- Unprofessional email address
- Scope is “not limited to” a narrow focus
- Target early career researchers via unsolicited emails
- Unclear images
- Unknow editors
- Inconsistent journal title
- No clear description of peer review process
- Article topics not consistent to aims and scope
- Fake metrics (e.g., Journal Impact Factor)

Caution

Publishing in these journals means that a researcher has **signed away the rights** to their work, so they won't be able to publish it elsewhere.



In-class exercise



- Group discussion and practice
 - Go to your own group on [Google Sheets](#)
 - Examine the authenticity of the journal
- Presentation

Week 15 Comprehensive Lit Search

Step by Step: From Beginner to Advanced

Search Strategy Summary Table +

Sources 6

Keywords 5

Filters 6

Hits (Search results) 6

▼ No Group 5

+ New

+ New

+ New

+ New

▼ 1 4

Embase

1

+ New

Complimentary therapy AND
dementia

1

🗨️ 1

SR, meta-analyses, RCT (2012-2022)

1

🗨️ 1

+ New

349

1

+ New

Step by Step: From Beginner to Advanced

Efficacy of the mobile applications in reducing distress: A case study of higher education students				
Source				
Academic Search Complete				
EBSCO host				
Search Strategy				
Apply the tips you learned in the first hour.				
Concept A		Concept B		Concept C
"mobile applications"	AND	reducing stress	AND	university students
"mobile application"	AND	reduce stress	AND	undergraduate
"mobile applications" or apps or "mobile apps"	AND	university or college or higher education	AND	distress or anxiety or stress or psy
efficacy	AND	mobile application	AND	all TI Title distress and undergraduate
Hits				
	2			
	7			
4 / 15 results				
	4			
Which article that you recommend?				
A MOBILE APP FOR REDUCING PERCEIVED STRESS IN COLLEGE STUDENTS				
The effectiveness of smartphone compassion training on stress among Swedish university students: A pilot randomized trial				
App-based mindfulness meditation for psychological distress and adjustment to college in incoming university students: a pragmatic, randomised, waitlist-controlled trial.				
Efficacy of the My Coping Plan mobile application in reducing distress: A randomised controlled trial.				

Step by Step: From Beginner to Advanced

Research Question	Mental conditionin pregnant women	
PICO Framework		
	Synonyms	Controlled Vocabularies Cinahl / Embase
P	(Pregnant * OR expectant parents)	Pregnancy OR "Expectant Parents"/Pregnant
I	Behavior therapy	cognitive-behaviour therapies / anger management therapy
C		
O	anxiety OR Catastrophization	Anxiety OR Catastrophization/ Anxiety disorder OR catastrophe

Feedback



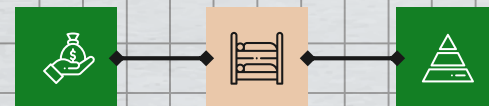
Comment #01

interesting & useful



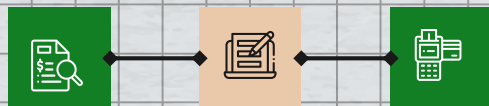
Comment #02

Skillful, can be helpful one day



Comment #03

Can be held on a regular basis



Comment #04

Hard work through out semester



Comment #05

感覺實際操作的引導可以
佔課程比例大一點



Comment #06

to able to begin scientific
research



personal growth

sense of
accomplishment

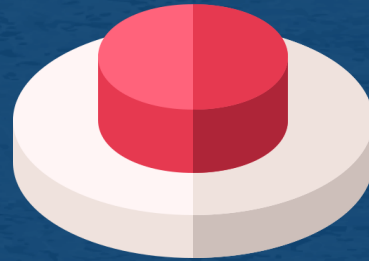


new opportunities

Key person

resilience building

learning



Passion ignition

Thank You All!

Do you have any questions?

milomerlin@gmail.com

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