合心同炬
歷久如一
藏行顯光·成就共好

LibRE

New Tagline in the COVID -19 Era

王涵青 Han-Ching Wang
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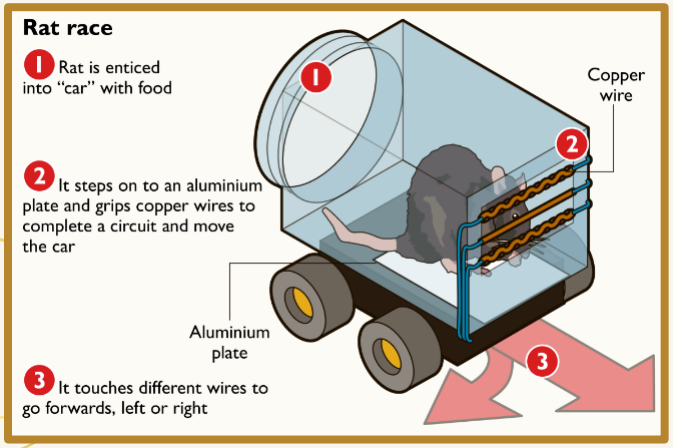
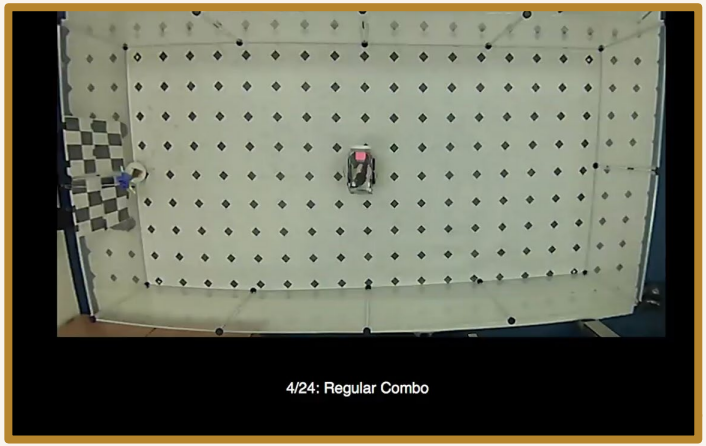
National Cheng Kung University, Taiwan

Rats drive little plastic cars ?!

How did the rats drive?



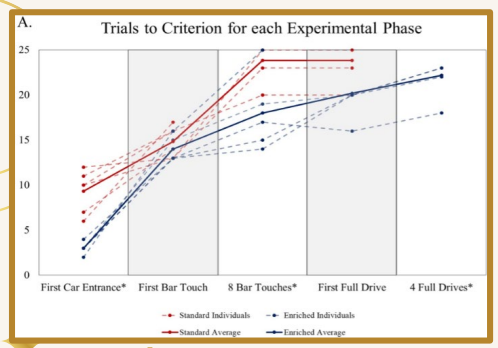


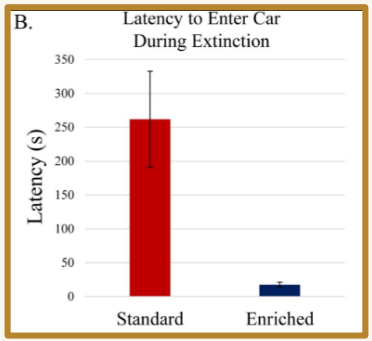
Rats drive little plastic cars ?!

Housing status

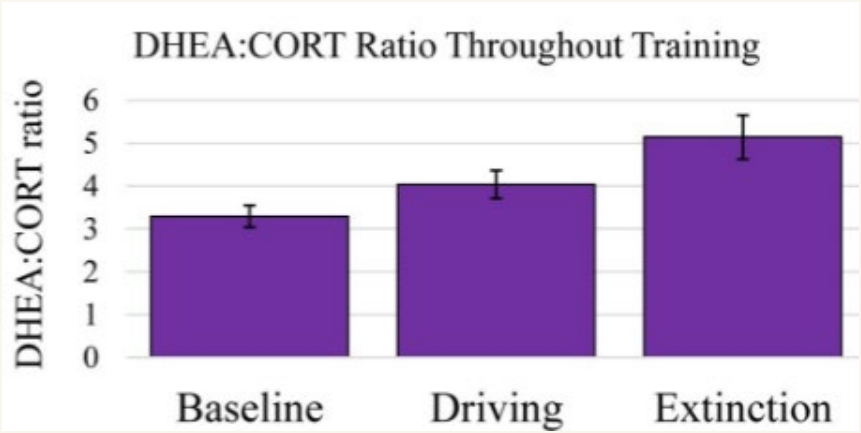
In a lab

In an "enriched environment"



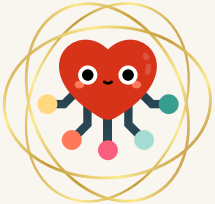


The satisfaction of having learned a new skill



Anti - stress hormone
Emotional resilience

What does this story teach us?

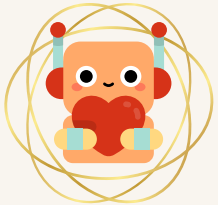


Environment

More engaging
Dynamic
Interactions

Stimulus/demand

Learn more efficiently
Have greater motivation



Learning

Change the brain in really interesting ways

Resilience

Withstand adversity and bounce back from difficult life events

The world is different from before

Relationships

Ideas

Resources

Mission

Worldview

Education

Humanity

LibRE

New Tagline in the COVID -19 Era

What is Lib RE?

[Lib r-]

Latin: book

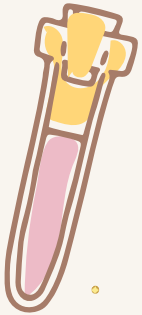
Originally, the "inner bark of a tree," whence "the text written on this," "collection of leaves for writing," and finally "book"

Chemistry: LiBr

What is Lib RE?

[Lib re]

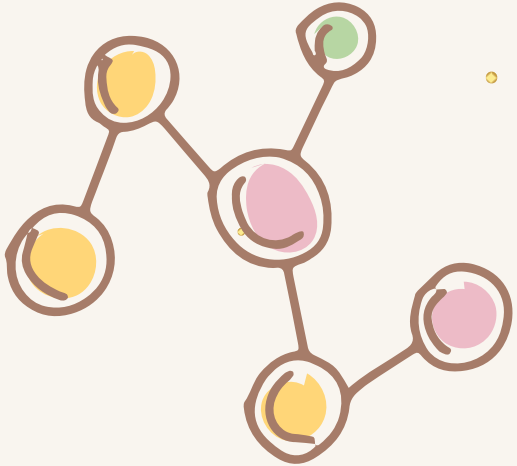
French: Libre
Latin : Liber



- the state of being free
- having freedom
- unrestricted
- in freedom (libre) from free

What is Lib RE?

[Lib RE]



denotes the library has the freedom to *REgenerate*, *REcreate*, & *REengage* for adapting to the new normal, in both physical and virtual worlds.

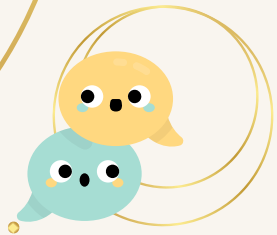
-- *NCKU library*

From Metaverse

Meta-Library

Libraries must adapt to address changing dynamics and needs.

We must be innovative and flexible, using technology to embrace the unknown, provide evolving services, and chart a path towards a foreseeable future.



Regenerate our world into Metaverse

"A bit like what "the internet" meant in the 1970s"

Definition

"*a highly immersive virtual world where people gather to socialize, play, and work.*"

On October 28, 2021:

Facebook rebranded itself as Meta
CEO Mark Zuckerberg:

"I believe the metaverse is the next chapter for the internet."

Neal Stepheson coined the term in his 1992 Sci-Fi Novel "Snow Crash"

What do we do?

REgenerate our vision

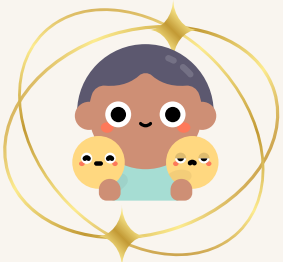
How to change the nature of “connection”

REengage targets

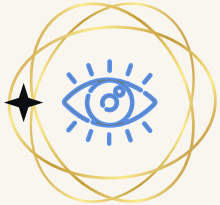
Are we losing the art of conversation when missing the human touch?

REcreate identity

How to stay connected when we are in a virtual world?



REgenerate our world into Meta -library



Virtual space

The “space” of the experience of virtual reality

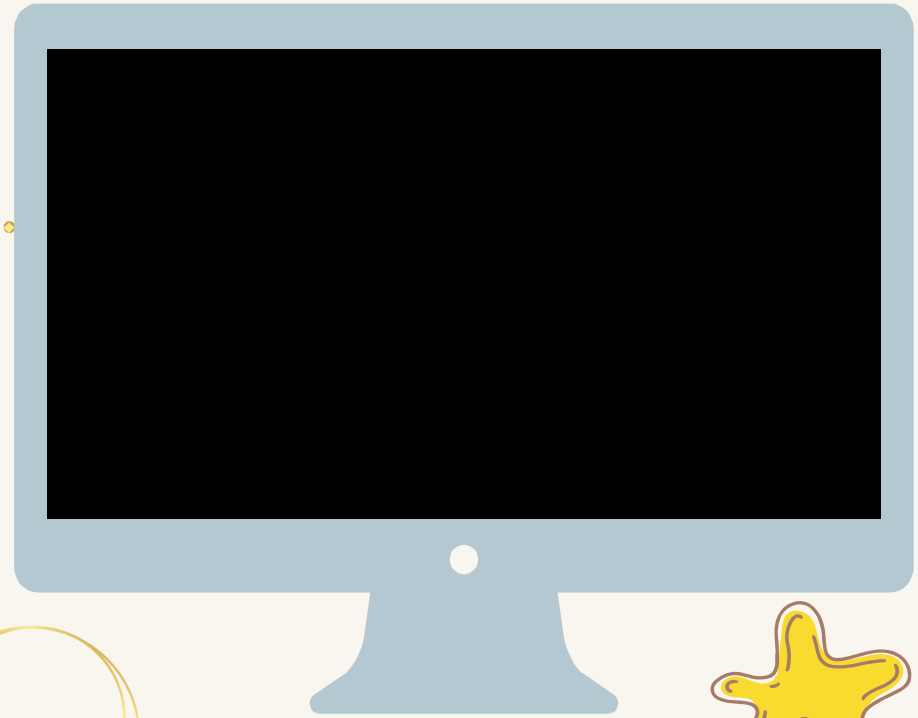
Education

Online Learning Resources
- Library resources
- Communication
- Courses
- Exhibition

Resource

Lifelogging: Self-learning
Freedom to create & share
Values of responsible usage
Invest resources where they are most desirable

REcreate identity



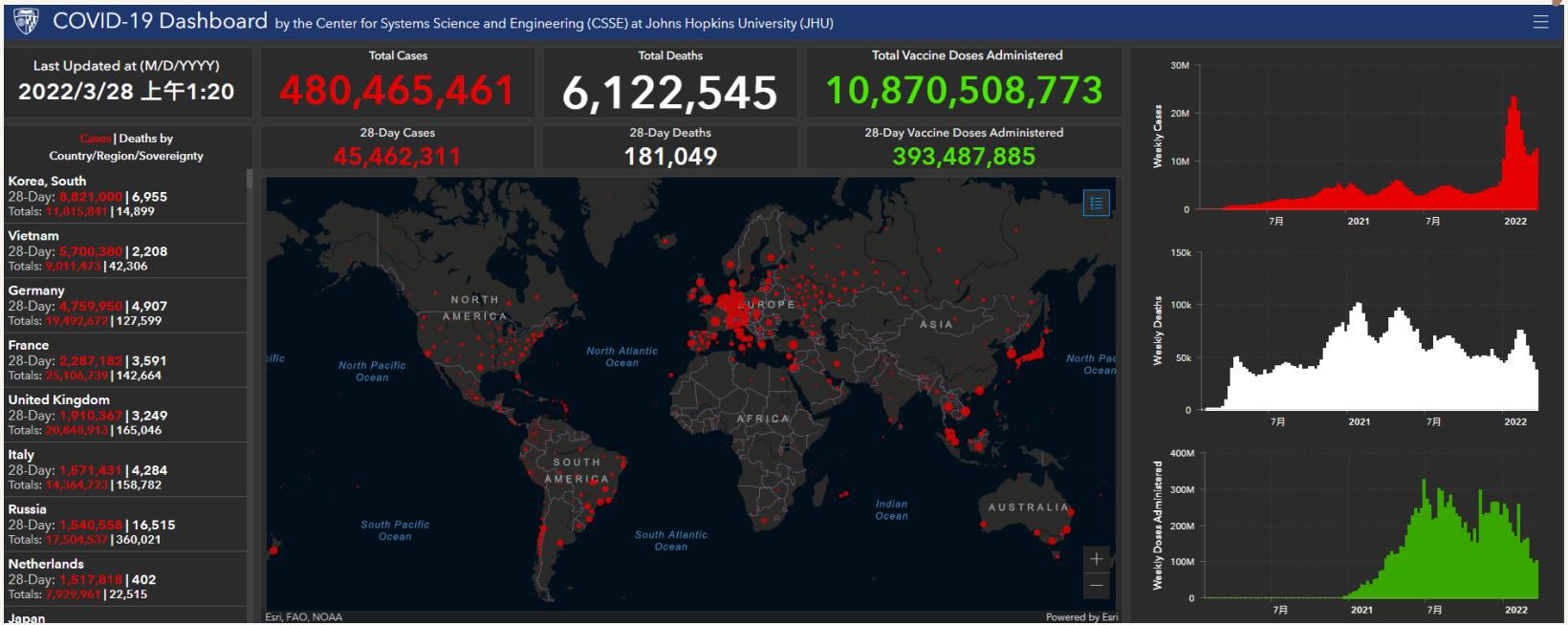
Via webcam

Digital images

Find the most comfortable way to communicate with our targets virtually

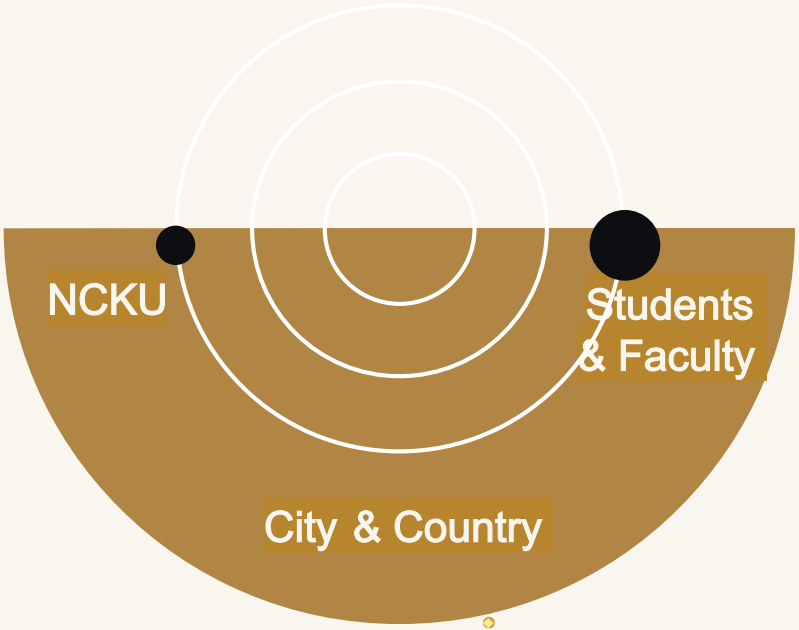
https://www.global-esports.news/wp-content/uploads/2022/01/Metaverse-1.jpg

REengage targets



Libraries in Times of War, Revolution & Social Change

REengage targets



Our strategy and evolution

1

Learning

1. Work online
2. Virtual counter
3. Virtual NCKU library

2

Reposition

1. Training
2. Sharing experiments
3. Workshops

3

Adaptation

From unfamiliar to familiar
1. Technology
2. New service models

Our strategy and evolution

4

Innovation

1. Apply new ideas
2. Observe target needs
3. Create a Diverse Lib. Environment

5

Promotion

Cooperate with:
1. various NCKU units
2. units outside the university

6

Improvement

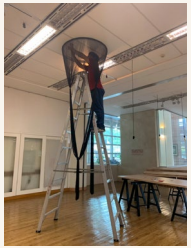
Learn from experience

NCKU Librarians: Transcend Traditional Boundaries

On-the-Job Research & Award:
Medical Library Support for Researchers: Bibliometrics & Citation Analysis of Medical Journals

NCKU [Books] One City-Mobile Library

Exhibition



2022 Librarian Training Course
(Interlibrary Cooperation Association)

2021 Taiwan Reading Festival

Evidence-Based Medicine Workshop

Second-hand Book Sale

Bilingual Education Support:
EMI Courses Embedded in Official Curriculum

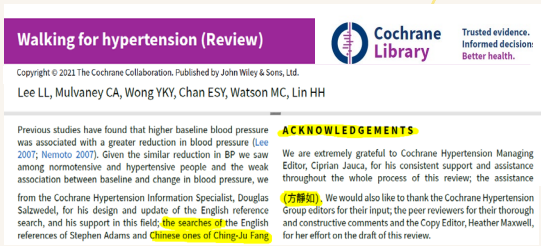
Personalized Research Assistance:
Walk-in Consultations for 3 Groups

USR:"Heart Warming Project" -
Fund-Raising Books Delivered to Pediatric Palliative Ward

Read for Love: Record Audio Books For The Visually Impaired

Advisory Services for Nationwide Evidence -Based Medicine Competition

Creative Development



Contribution in Medical Research:
Co-Authorship & Acknowledgement in Cochrane SR

2014 Library Christmas Pop-Up Concert

Virtual L ib. Division

Step 1

Time June 1, 2021
Massive Work From Home Drill

- Running remote working tests on Cisco Webex and sharing via Online Meeting Room
- Recorded videos uploaded to MyTube for self-learning.

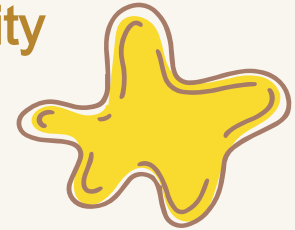
Step 2

- **Create Cisco Webex Meeting Rooms for Every Division**
  Every librarian can be contacted
- **This practice has been accepted & implemented campus -wide**

Virtual Counter

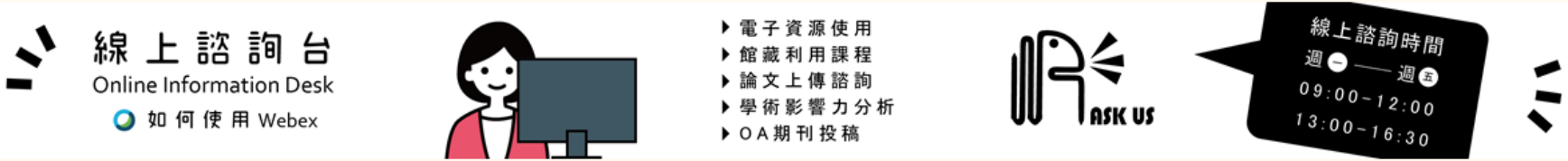
Why are
counter & virtual librarian necessary?

Familiarity



Interaction

Existence



Virtual NCKU library

01

Interaction

Verbal interaction between Librarian vs. reader

02

Action

Physical interaction between Librarian vs. reader

03

Prototype

Real-life library in a virtual world

04

Activity

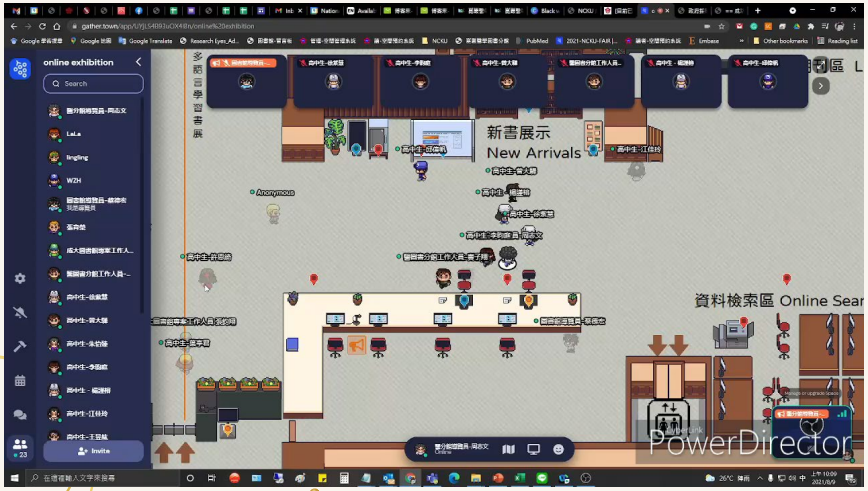
Virtual - physical activities

Gather.town：NCKU Library

https://bit.ly/3CYmjhY

Virtual NCKU library

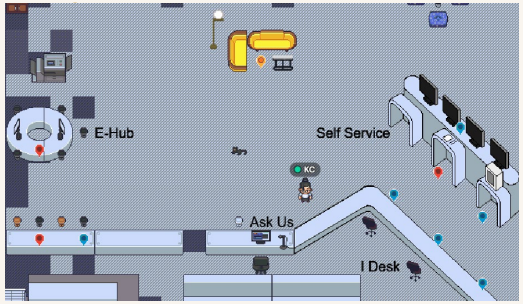
-- Created by NCKU librarians --



Virtual NCKU library

-- This space is not only a space --

E- library



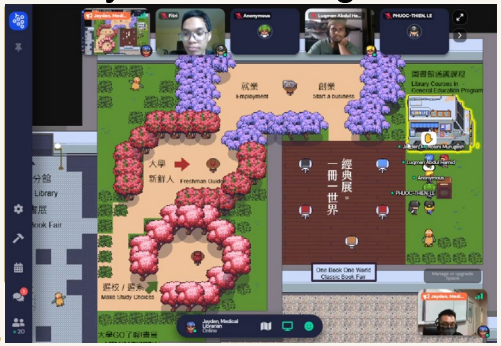
NCKU Campus Fair

Library tour for freshman

Book Exhibition

Librarian Knowledge Exchange and Sharing

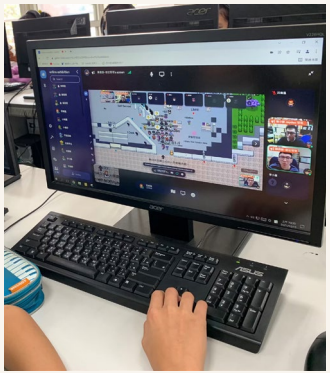
Library tour for foreigners

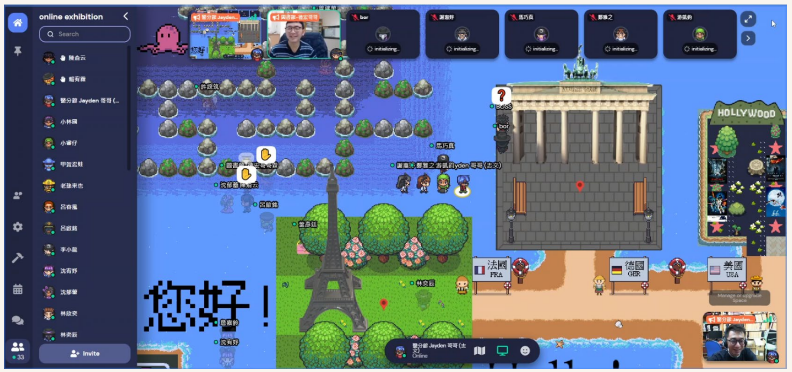


Virtual NCKU library

-- REdefine the Nature of “Distance” --

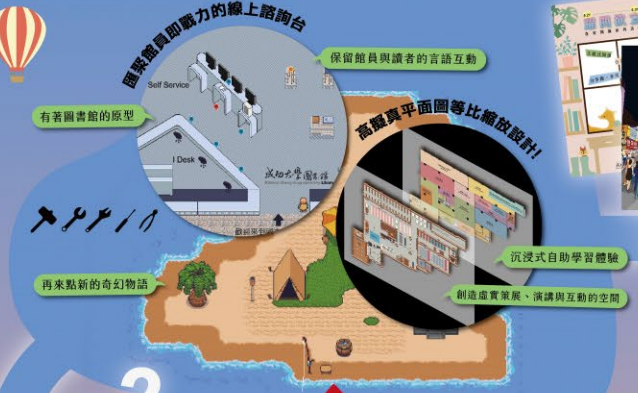
Kids in a rural school meet NCKU Librarians online





共遊城圖奇幻物語

Gather together in the FantasiLand with NCKU Library



書展 × 服務 × 課程 × 導覽 × 互動

1 成功大學圖書館 National Cheng Kung University Library

價值與觀點

一場突發的新冠疫情迫使圖書館關閉，當無法讓讀者入館時，服務該如何繼續成了當務之急的課題。成大圖書館開始思考任何接通服務的可能性，試圖在防疫期間開創更新穎的服務模式，於是一連串精采的虛擬化圖書館服務就此展開…

彈性 調適力

成圖官網 Gather Town

2

思考與創造

核心理念 面對改變無所畏懼，維持人與人互動的溫暖，拉近心與心之間的距離，重新定義圖書館所在時空，快速連結疫情後時代的服務模式，努力供應讀者所需服務。

應用技術 從實體走向虛擬，利用Gather Town技術建置成大虛擬圖書館。

成大圖書館的前瞻實驗

2D虛擬服務力 × 館員線上即戰力 × 讀者自主學習力 × 資訊科技應用力 = 成大虛擬圖書館

3

應用與實踐

創新指數

書展	推廣擺攤玩遊戲、數位書展增見聞
服務	線上諮詢Webex，及時call in及時解
課程	線上課程努力學、外籍新生一起來
導覽	實體館舍虛擬化，線上導覽走透透
互動	跨單位合作：校園博覽會、系所研討會…

4

影響與效益

IMPACT

- 不因距離改變服務的溫度
- 翻轉服務傳統定義與形式
- 開創服務的互動新模式
- 推動館員數位世界新定位
- 共享資源的優化與增值
- 嘉惠國內其他圖書館同道
- 改變館員讀者思維與想像
- 秒間串聯各館資源與特色
- 展現好奇心與探索新力量
- 共創未來圖書館更多想像

GT參觀人次 統計期間：110.8.2-10.31 >2000人

活動參與人次 >900人

展示館藏（實體+電子資源） 4280冊

5-min clip: https://www.youtube.com/watch?v=ZtN--SihlQU

Explore topics in databases
Systematic search
Adjustment of research methods
Avoid duplication of research work

Academic Performance Analysis

Training of database search
Guest speaker's sharing

REinvest resources where they are most desirable

Research Lifecycle Guide

Academic profile
IR
Medical News

Reference manager
Customize EndNote Styles
Turnitin – Originality Checker

JCR
APC Subsidy Service
OA / Mega / Predatory Journals
ORCID Registration

REinvest resources where they are most desirable

Comprehensive Search for Systematic Review Study

Main purpose：

- Ensures the widest scope of primary research
- Performs comprehensive literature search to include potential researches and reduce the risk of bias.

2016	2019	2021	2022
Physical		Physical /Online Sync/Async	
Medical		Medical / Non - Medical	
❶ session		❸ sessions	❹ sessions
Chinese		Chinese/ English	

REinvest resources where they are most desirable

Comprehensive Search for Systematic Review Study

2021

Physical /Online Sync/Async

❹ sessions Chinese/ English

Total: 1,965

78% Local students

1,539 Signed up

22% International students

426 Signed up

Survey

663 Responses

Pre- & Post Survey

1. Knowledge 1.55↑

2. Self-Evaluation 0.85↑

Interview

17 Interviewees

- High applicability
- Vital role in research process
- Rejoin classes to improve comprehension
- Better understanding of databases

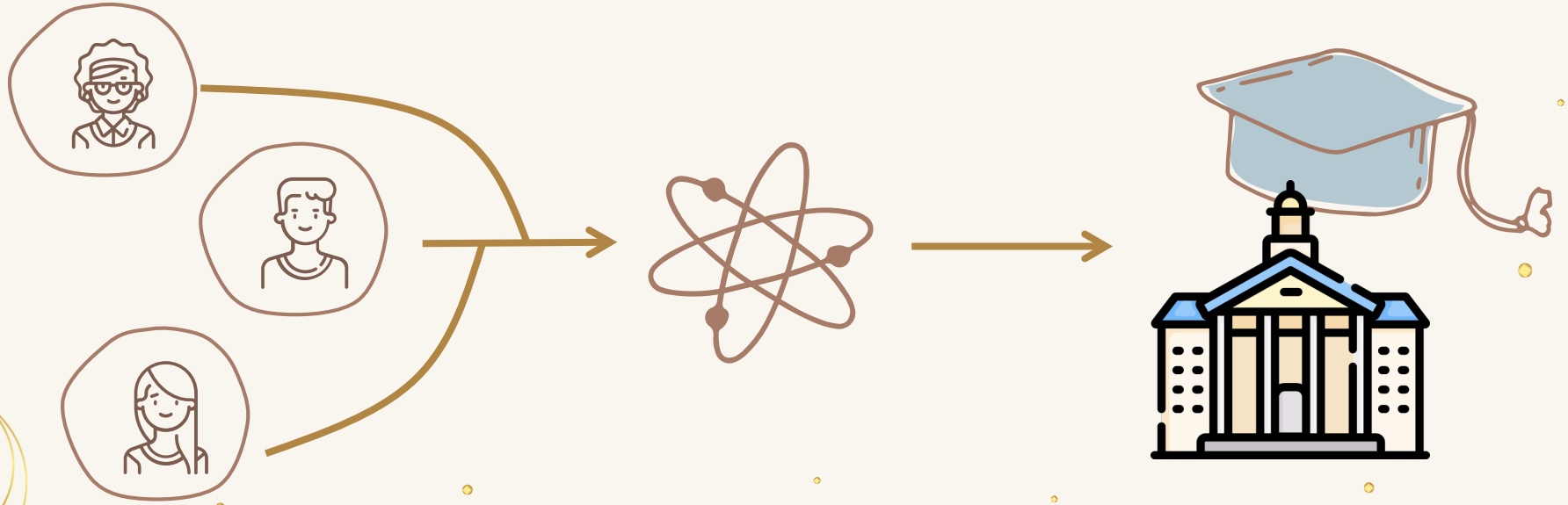
當圖書資訊素養遇見生物科技

INFORMATION LITERACY MEETS BIOTECHNOLOGY

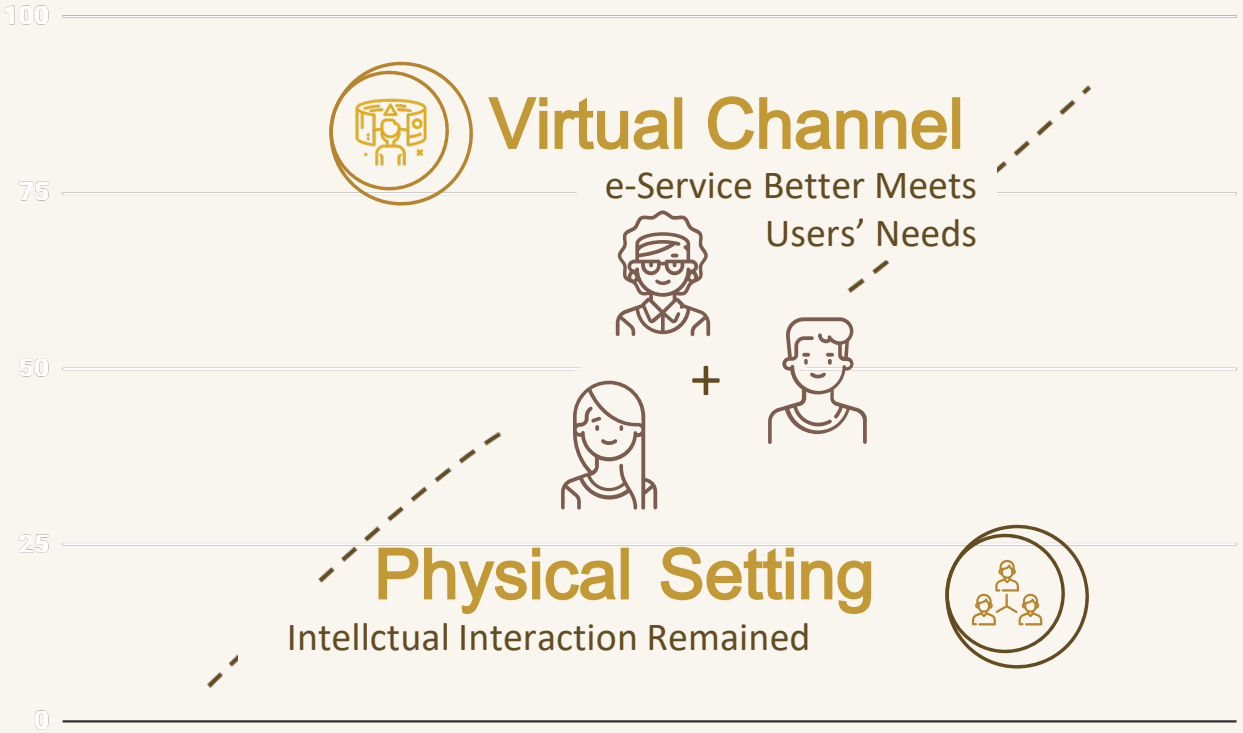
REinvest resources where they are most desirable

Student-Centered curriculum

Gives students the opportunity to decide two things:
1. what material they learn; and 2. how they learn it

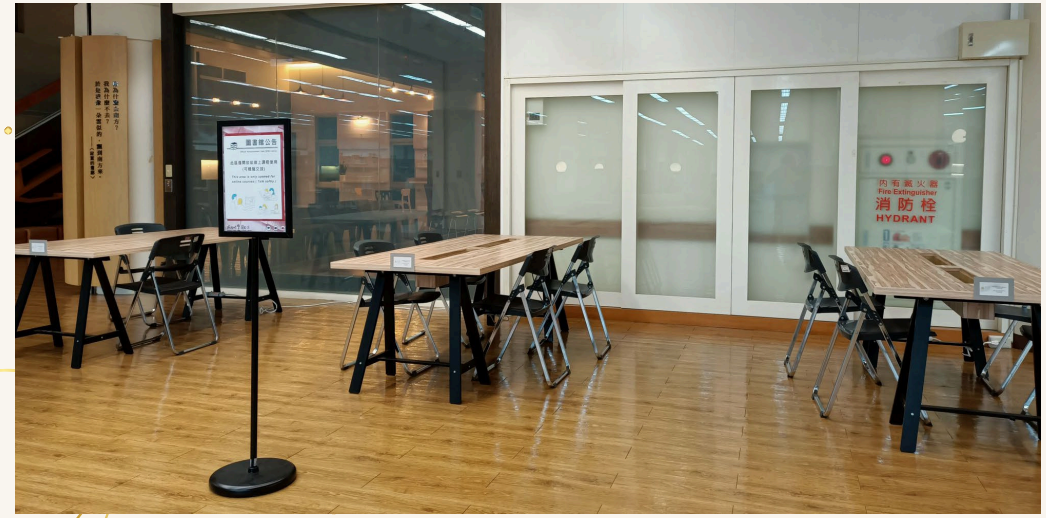


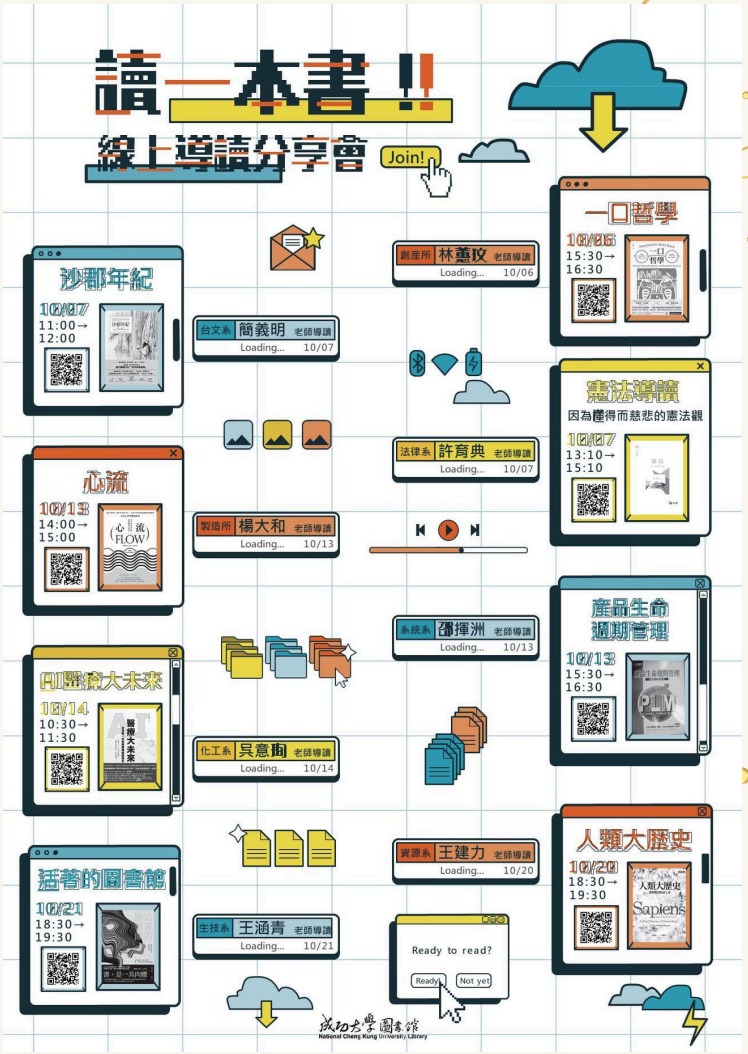
Hybrid Solution:
REbuild human connection through virtual ways



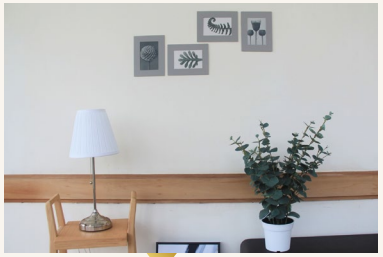
COVID- 19 has reshaped the ways that we connect & interact with one another.

Listening, creating, realizing and comforting





Prayer and Meditation Space



Prayer and Meditation Space Guide for Users

Prayer and Meditation Space is a dedicated area in the Library for all library users from all faith backgrounds to pray, meditate, relieve stress individually. Please abide by the Library rules and the guidelines below and be mindful of others when using this space.

1. No appointment is necessary. In principle, this space is for individual use. Groups of three or more are not allowed to use it.
2. Shoes are to be removed and placed on the provided racks upon entering. Pay attention to personal hygiene and keep the space clean.
3. Individuals with offensive odor, including body odor or odors caused by personal belongings that lead to complaints from other users, will be asked to leave this space.
4. Do not lie down, sleep, or read in this space. Speak softly if necessary.
5. Avoid making noises or using objects that make sounds, such as keyboard typing or other noises.
6. Please be respectful of others' needs, or you can leave by yourself if this space cannot meet your needs or makes you feel uncomfortable.
7. Do not forget your personal belongings and return all furniture to original positions after each use.

What the future librarian/readership will be?

Multi - tasking

Working on multiple projects with several consituents at once is paramount

Creativity

We cannot remain tied to existing workflows.

Flexibiltiy

21st century librarians/readers seek flexibilty in the face of change

Collaboration

Work with various institutions/partners to achieve educational goals

1. Checking Out the Future 2. Developing Librarian Competencies for the Digital Age

成功大學圖書館
National Cheng Kung University Library

Thanks!

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Sources:

1. https://www.merriam-webster.com/words-at-play/meaning-of-metaverse
2. https://www.wired.com/story/what-is-the-metaverse/
3. https://www.bbc.com/news/world-us-canada-50167812
4. https://www.science.org/content/article/how-many-mice-and-rats-are-used-us-labs-controversial-study-says-more-100-million
5. https://news.richmond.edu/experts/media-kits/lambert.html
6. https://www.finextra.com/blogposting/21643/metaverse-development---a-new-revolution-to-the-digital-world
7. https://101blockchains.com/metaverse-for-education/
8. https://www.newscientist.com/article/2220721-scientists-have-trained-rats-to-drive-tiny-cars-to-collect-food/
9. Crawford LE, Knouse LE, Kent M, Vavra D, Harding O, LeServe D, Fox N, Hu X, Li P, Glory C, Lambert KG. Enriched environment exposure accelerates rodent driving skills. Behav Brain Res. 2020 Jan 27;378:112309.