



111學年度第二學期
教育部國教署補助高級中等學校與國外校際合作
推動線上教學實施計畫

諮詢輔導簡報

國立高雄師範大學附屬高級中學

報告人：圖書館主任 許峰銘

中華民國 112年 05月29日

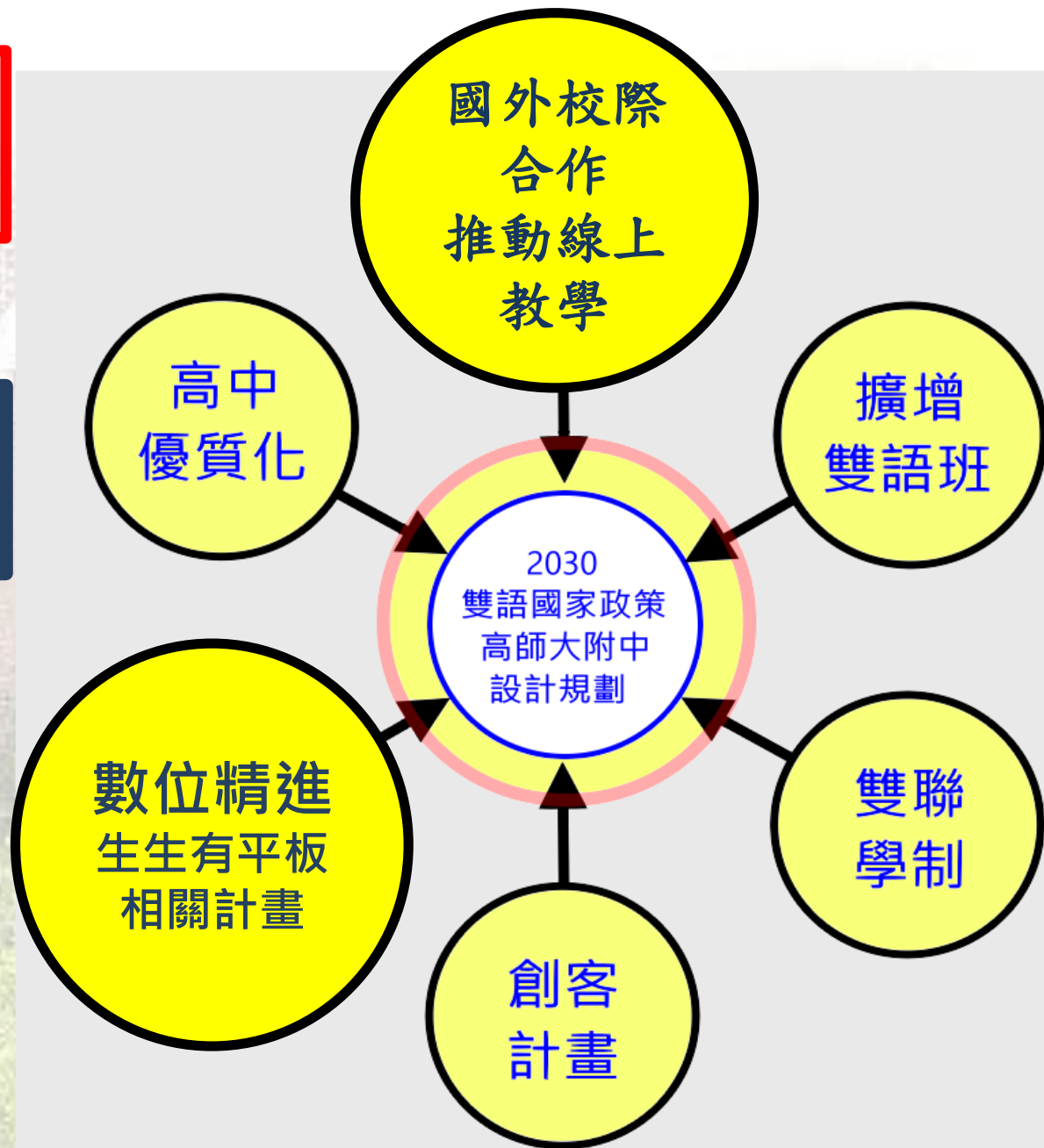


盤點舊有計畫已
採購設備與資源

整合本校正執行
之計畫

建構
科技
視訊
教學
環境

發展
國際
交流
特色
課程



110-111學年度： 已簽訂合作備忘錄（MOU）之學校 美國伊利諾州Metea Valley High School（梅泰雅山谷高中）



MEMORANDUM OF UNDERSTANDING
BETWEEN
THE AFFILIATED SENIOR HIGH SCHOOL
OF NATIONAL KAOHSIUNG NORMAL UNIVERSITY
AND
METEA VALLEY HIGH SCHOOL



This Memorandum of Understanding ("MoU") is made on this 18th day of August, 2021 ("Effective Date") by and between:

THE AFFILIATED SENIOR HIGH SCHOOL OF NATIONAL KAOHSIUNG NORMAL UNIVERSITY (hereinafter called NKNUASHS) on the one part,
AND
METEA VALLEY HIGH SCHOOL (hereinafter called MVHS) on the other part,

The Affiliated Senior High School of National Kaohsiung Normal University and Metea Valley High School agree to the establishment of an educational partnership for the mutual benefit of both schools on the basis of mutual learning, engagement, respect, fairness and friendship. Both schools have collectively worked out a range of cooperative agreements after our cordial discussion.

Agreements may include:

- Visits and Exchanges between the students and teachers from both schools
- Exchange of teaching resources and curriculum
- Collaboration in Research and school academic projects
- All participating schools, faculty, and students will protect the privacy of all participating students and faculty and will not share any personally identifiable information.

This MoU shall commence after the endorsement from both sides with signatures and seal on the date first above written and shall remain in force unless otherwise terminated by either party. It will be valid for two years. The MoU comes in two copies and each party will hold on to one copy. Once the MoU expires after two years, it will be automatically renewed for another two years if there are no objections from either party. At least three months' notice shall be given if either party wishes to terminate this MOU.

IN WITNESS WHEREOF the parties have hereunto entered into this MoU as at the date first above written.

SIGNED for and on behalf of
The Affiliated Senior High School of
National Kaohsiung Normal University

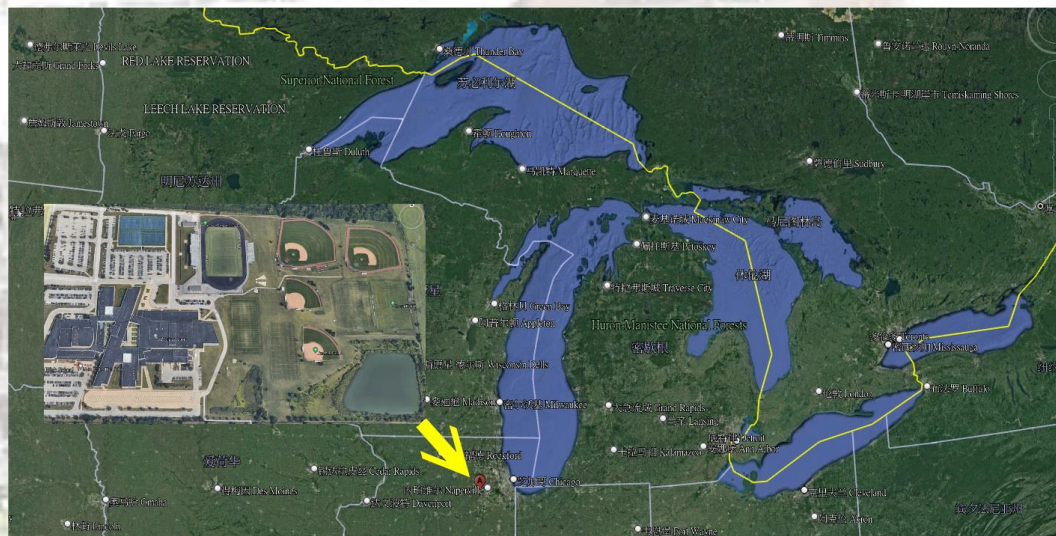
Lee Chin Yang

Dr. Lee Chin Yang
Principal
The Affiliated Senior High School of
National Kaohsiung Normal University

SIGNED for and on behalf of
Metea Valley High School

Dr. Darnell Echols

Dr. Darnell Echols
Principal
Metea Valley High School



Visit Another IPSD Site...

Search ipsd.org

- MVHS Home
- Faculty and Staff
- Sitemap
- About Us
- Nurse's Office
- Graduation 2023
- Mini Mustang Preschool
- Student Handbook
- Yearbook/Photo Info
- Academic Departments
- Guidance Department



View the MVHS Daily Announcements

- Senior Checkout
- Metea Media now available in App Store

Important Information

- Senior (Class of '23) Newsletter
- Graduation - Class of 2023
- Athletic Pass Information
- Student Parking Information
- Virtual Tours
- MV Apparel & More

MAY 28 : Graduation Ceremony - Class of 2023

MAY 29 : No School: Memorial Day

MAY 31 : Final Exam 2023 - Semester

本年度合作班級已於5月28日畢業

視訊教學環境建置

固定式-未來教室：



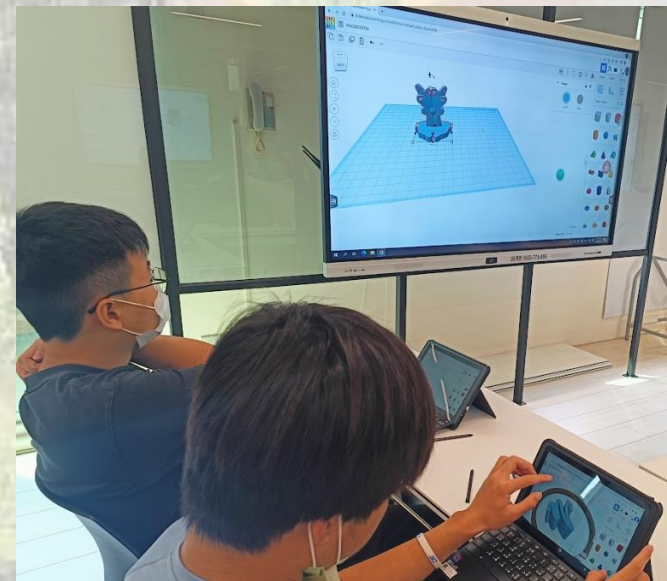
112年1月完工,112年3月3日辦理教室設備使用的教育訓練

視訊教學環境建置

112年3月7日辦理高一雙語未來教室設備使用與3d列印課程



各小組國際交流對話溝通，可6部平板同時無線投影在觸控螢幕上



運用未來教室觸控螢幕與每人一部的chromebook,進行tinkercad軟體3 D建模設計課程

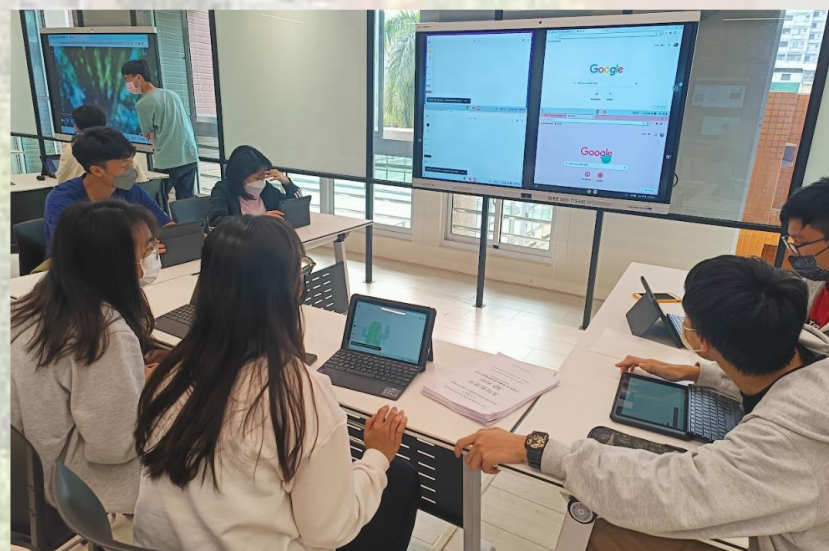
視訊教學環境建置



德國留學主題式講座



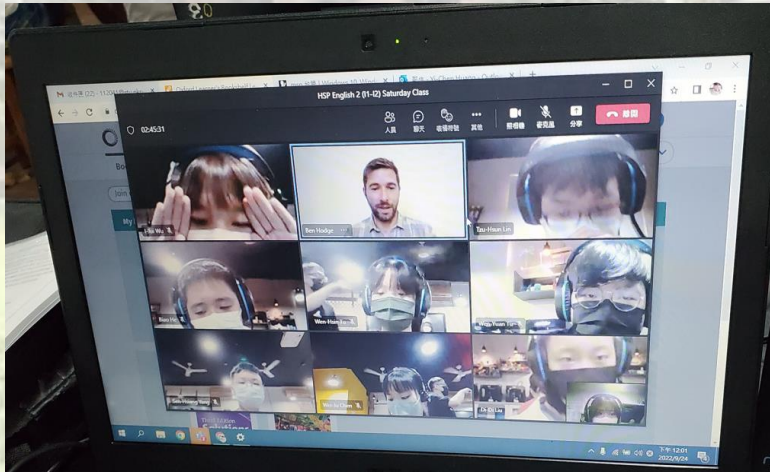
泰國師範大學研究生來台取經



運用6部分組觸控電視的螢幕書寫模式與多台聯線網路搜尋討論功能

視訊教學環境建置

活動式的遠距教學與線上課程設備-創客教室



於創客教室進行的澳洲對台灣的雙聯學制遠距教學-語言課程

視訊教學環境建置

活動式的遠距教學與線上課程設備-晚自習教室



112年第二學期2月14日-高一雙語班與美國姊妹校同步交流

線上文化交流

參與學生總人數：52人、教師總人數：5人

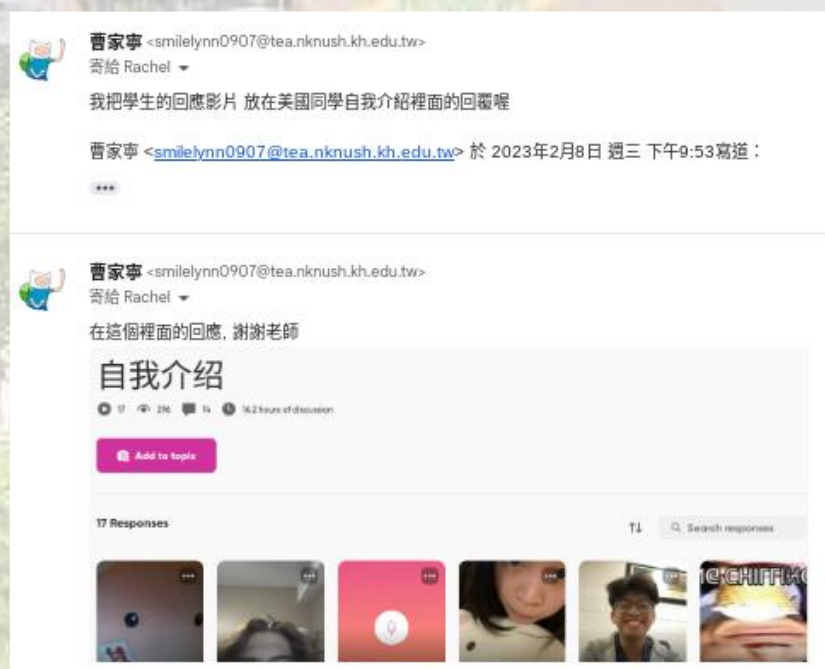
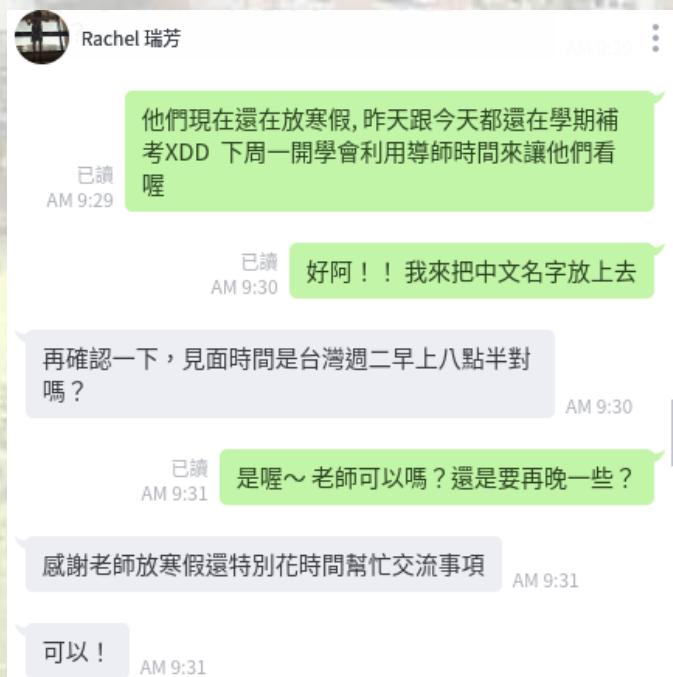
雙方教師共備總次數/總時間：4次、6小時

透過line群組與mail郵件進行多次同步與非同步之共備

已進行線上交流總次數：同步1次(112年2月14日)，非同步2次(FLIP與BINGO)

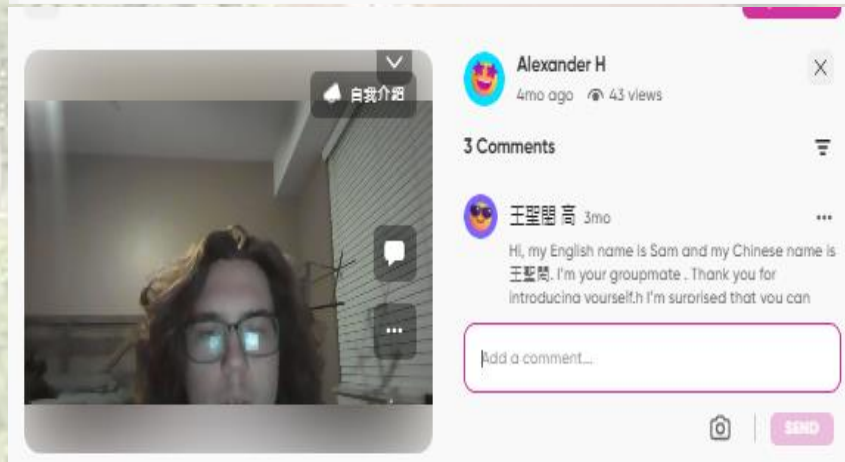
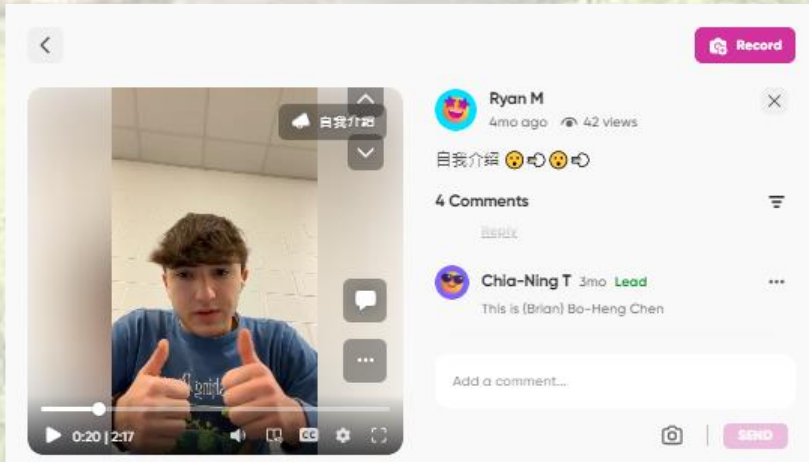
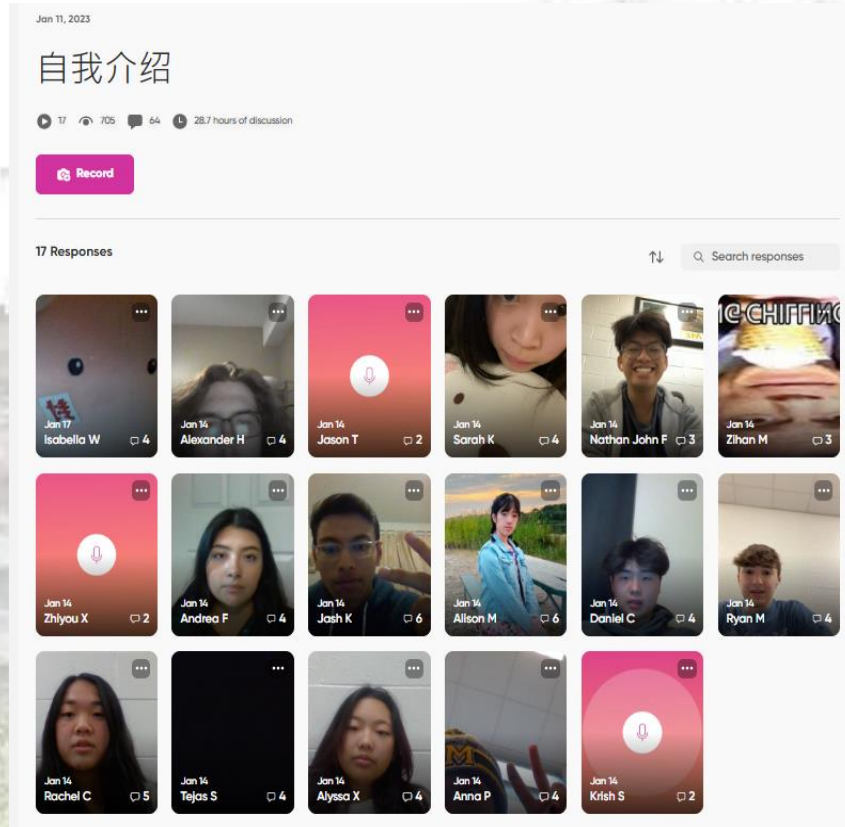
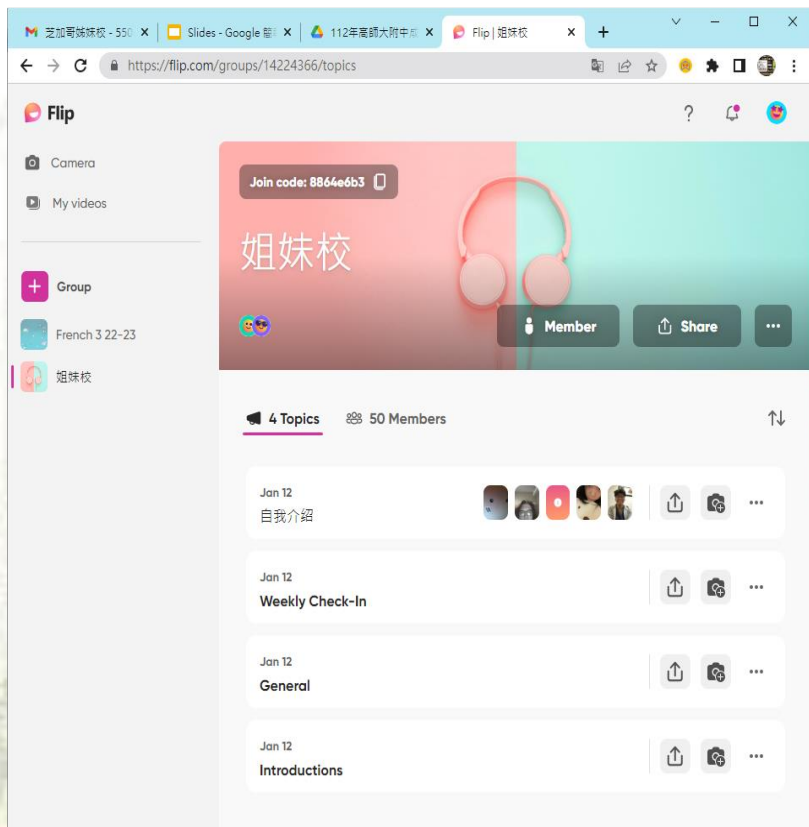
同步交流時段：課間，非同步交流時段：課後

交流主題：自我介紹與台灣新年習俗文化交流



線上文化交流

Flip上的非同步交流(類似抖音的線上交流軟體)





[Bingo Card Generator](#) [Bingo Cards](#) [Help](#) [Login/Sign Up](#)

Find and customize one of the thousands of ready-made [bingo cards](#), or use the simple [bingo card generator](#) to create your own. Then print as many cards as you need. You can even play [virtual bingo](#) using a computer, smartphone or tablet. It's fast and easy.

number Find Cards

Weather Bingo

B	I	N	G	O
clouds	hail	el nino	sunrise	stars
fog	rain	wind	vanilla	sunshine
hail	FREE!	weather	flood	sun
la nina	hail	climate	clouds	stars

Number Bingo 1-75

B	I	N	G	O
6	23	31	55	65
5	19	34	50	63
8	29	Free!	48	68
15	30	39	49	67
9	28	40	47	75

BABY SHOWER

B	I	N	G	O
BABY	POOPE	WASH	BABY	DIAPER
WASH	DIAPER	SOCKS	SOCKS	SOCKS
DIAPER	DIAPER	DIAPER	DIAPER	DIAPER
SIPPY	CUP	FREE!	CRIB	CRIB
BABY	CAR	DIAPER	DIAPER	DIAPER
BATH	PAD	SEAT	BATH	BATH
DIAPER	DIAPER	DIAPER	DIAPER	DIAPER
DIAPER	DIAPER	DIAPER	DIAPER	DIAPER

Sight Words

B	I	N	G	O
there	the	funny	look	look
and	and	and	and	and
it	three	is	is	is
they	they	they	they	they
two	two	two	two	two

Untitled Bingo 5x5

B I N G O

		Free!		

Bingo Card Generator

Instructions: Enter your bingo card title, choose a size, and type your words into the squares.

You can drag-and-drop images into the squares and customize the color scheme.

To generate your bingo cards, click the "Generate" button.

Afterwards, you can print your bingo cards, or play a virtual bingo game.

Features

- New!** For [question/answer-style bingo](#), flip over the square to enter a question/clue (which will appear on the call list)
- Drag and drop images** from your

The center square is the free space.
 Shuffle items only within their column.

B I N G O

What songs are on the soundtrack to your life?	If you could choose one superpower, what would it be?	What is the most ridiculous nightmare you have ever had?	What did you do as a teenager that makes you cringe now?	If your pet could talk, what do you think they might say about you?
If you were a superhero, who would be your archnemesis?	What is your favorite random fact?	Have you ever met a celebrity? Which celebrity would you like to meet?	What is your go-to karaoke song?	Describe your most eccentric family member.
What emoji do you use most often?	Tell me your life story in exactly one sentence.	Free!	Create and describe an undercover alias.	What is your most random impulse buy?
What actor would you choose to play you in your biopic?	What would your warning label say?	Explain an inside joke you have with a friend or family member.	What is the craziest thing you ever did on a dare?	What is your strangest irrational fear?
What is your guilty pleasure?	What is your useless talent?	What is the strangest food combination you enjoy?	Tell us an embarrassing story.	What is the grossest thing you would do for \$100?

線上文化交流

112年2月14日上午進行同步文化交流



The Exchange Project

Nice to meet You!



Procedure 0214

- 9:00-9:30 Preparation
- 9:30-9:35 Opening Remarks and Group Photo
- 9:35-9:55 Group Discussion
- 9:55-10:00 Closing Remarks

Preparation

Flipgrid
<https://flip.com/groups/14224366/topics>
Partners with sister school
https://docs.google.com/spreadsheets/d/1Rr-ZY3tBDoe-2nPXFeJbknQ97w_7MNHePB6or3bk3Q/edit?usp=sharing

How much do you know about Taiwan?



線上合作教學

參與學生總人數：52人、教師總人數：5人

雙方教師共備總次數/總時間:3次、6小時

已進行線上交流總次數：台灣學生課間課程3次6小時

姊妹校同學課後課程1次2小時

交流時段:台灣學生課間課程，姊妹校同學為課後

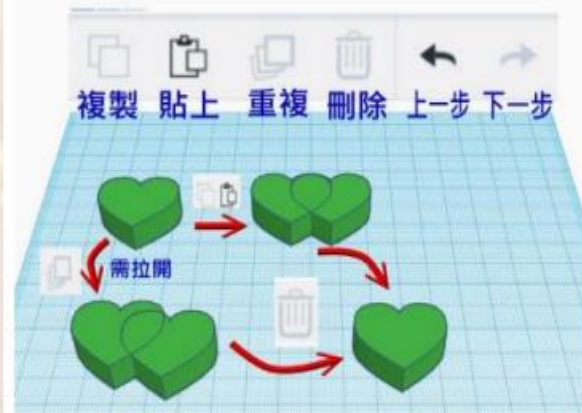
交流主題:數位製造國際非同步交流課程

本校課程結合SDGs中-
目標9:建立具有韌性的基礎建設，促進包容且永續的工業，是這項國際非同步交流課程課程設計的主要起始概念。



線上合作教學

預計課程發展內容時程	日期區間	活動概述
第一階段共備	111年9月-12月	9/29.10/14.11/29 課程進行流程討論
第一次同步課程	112年1月	3d 列印設計技術課程 (本校與友校 Paul 老師)
第二階段共備	112年1-3月	3d 列印設計 stl 檔互寄分享 與教師線上討論 討論第二次同步課程
第二次同步課程	112年3月	學生分享設計理念與師生討論 修正 3d 列印設計 stl 檔
第三階段共備	112年4-5月	3d 列印設計 stl 檔各自修正 檔案互傳討論列印 共備第三次同步課程
第三次同步課程	112年5月	台美數位科技想法交流分享 設計理念分享 與未來數位科技的探討
第四階段共備	112年5月	寄回學生設計與相關課程處理



三D 列印課程講義

芝加哥姐妹校 (10)

下午 5:20 Rachel 老師:

我有收到您的信,在回信中,我附上一份3d列印設計方法的檔案,與我們3d列印教室的介紹ppt

下午 5:22

下午 5:23 希望對Paul老師與您的學生有幫助

我們設計3D列印的軟體用的是免費的TINKERCAD,它也有英文網站,只要同學們設計好,存成附檔名為STL或OBJ,我們都可以進行造型的討論與修正,希望寄去的檔案,對您有幫助

下午 5:27

下午 5:28

下午 5:29 儲存 | 另存新檔 | 分享 | Keep

下午 5:31 上圖是我們讓國小生設計自己喜歡的玩偶,下圖是我們改良國中透鏡成像(放電影)實驗裝置,給您參考

下午 5:31 Rachel 瑞芳

收到了,謝謝許主任!

下午 10:34

線上合作教學

第二階段共備與課程

於112年3/7、3/14與4/11，高一雙語班同學進行3d列印課程，設計出成品進行列印與姊妹校分享。



- Roger 230411.stl
- Fantastic Jarv-Luulia.stl
- Jason T.stl
- 101008.stl
- 10129 (2).stl
- 10126.stl
- 10119.stl
- 10110.stl
- 10106 (1).stl

- Rachel.stl
- Fantabulous Criift-Inari.stl
- 191015name.stl
- 10135.stl
- 10128.stl
- 10124-2.stl
- 10118.stl
- 10110 (1).stl
- 10104.stl

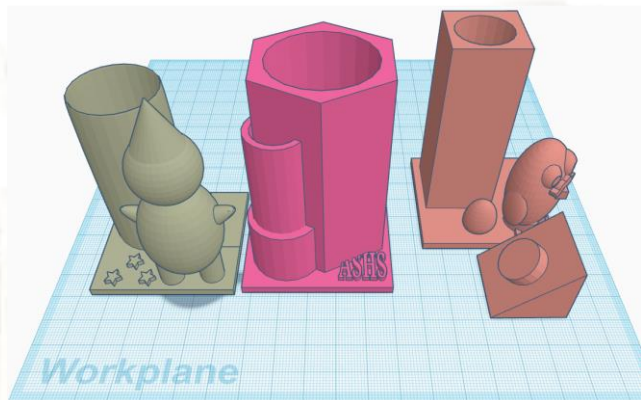
- Krish.stl
- Alison.stl
- 191014.stl
- 10132.stl
- 10127.stl
- 10124.stl
- 10111.stl
- 10109.stl
- 101 02.stl

- Isabella.stl
- 191031NAME.stl
- 191007.stl
- 10130.stl
- 10127 (2).stl
- 10121.stl
- 10111 (1).stl
- 10106.stl

雙方學生設計的3D設計檔案

線上合作教學

第二階段共備與課程-設計與成品產出



16台3D印表機同時列印學生設計的檔案

112年5月2日寄出成品與相關禮物, 特產



線上合作教學

第三階段共備與課程-分享與反思



Rachel 瑞芳

校長，主任，各位老師們大家好，今天收到從台灣寄來的驚喜，學生們都很開心，謝謝大家！

上午 7:32



已讀 8
上午 8:10

謝謝瑞芳老師的協助，如果孩子們對列印的成品有想法，也可以告訴我們噢

已讀 8
上午 8:33

如果您，學校同事與孩子們有機會到高雄來，別忘了來找我們



smilelynn

非常謝謝峰銘主任對班上同學的照顧和細心指導，和學校給同學機會認識姐妹校，祝福瑞芳老師同學們畢業愉快，一切順利！！

上午 8:48



Rachel 瑞芳

謝謝主任和家寧老師，也祝你們這個學期教學愉快順利！🙏

下午 6:45



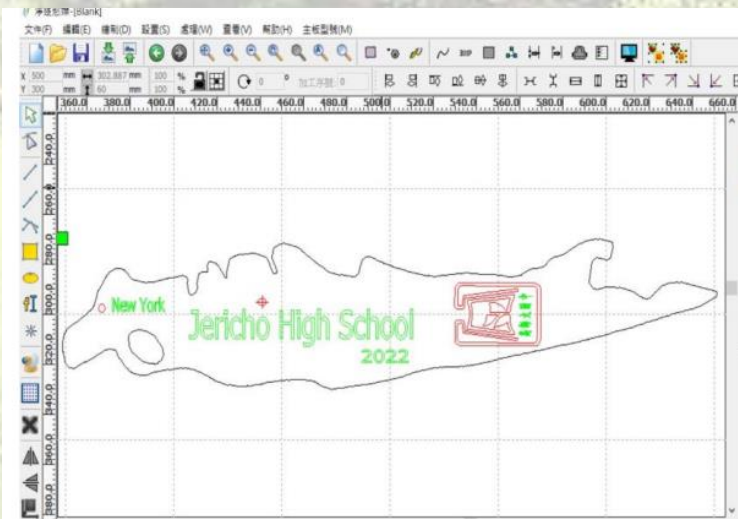
What have you learned from today's class?

I learned how to use Eshare to share my screen on the TV.
From today's class, Also, I learned how to use a 3D design website.
Through the website, I can make my own shape and size and teacher will help us to print it out.

I have learned that many functions about the new computer. There are functions like reflecting, drawing and for the most important is the 3D creation, To the 3D creation I can use my creativity to create what in my mind I just created a little boy with the built-in template I wish that I can print it out next class to show my talented!

芝加哥的學伴們已經在5/28畢業了

還有:



高師大附中圖書館國際交流-美國紐約耶利哥高校
The Affiliated Senior High School of National Kaohsiung Normal University
AND
Jericho High School (99 Cedar Swamp Road . Jericho NY USA)

交流計畫與模式

將兩方參與的學生配對, 學生自由交流做朋友
美方學生使用中文, 台方學生使用英文
在雙方設立的LINE平台上進行文化交流





國立高雄師範大學附屬高級中學

愛、超越、國際化

以人為本 適性揚材的領袖學園

感謝您的聆聽

