教育部雙語數位學伴營運中心計畫
112 年雙語數位學伴教學教案全國徵選 封面

議　　題：原住民教育、資訊教育

教案名稱：

Make Friends with Yami: Get to Know about Tao Culture!

和「雅美」做朋友：來認識「達悟」文化！

編　　號：＿＿111＿＿(由承辦單位填寫)

注意事項：參賽作品封面請勿填寫校名及作者名。

教育部雙語數位學伴營運中心計畫

112 年雙語數位學伴教學教案全國徵選 **教案格式範例**

教案名稱		Make Friends with Yami: Get to Know about Tao Culture! 和「雅美」做朋友：來認識「達悟」文化！
語言別		□閩南語雙語　□客語雙語　□原住民族語雙語　■ 英語雙語
年級別		國民小學三至六年級
教案節數		共4節，160分鐘
設計理念		生長在台灣的我們都深知了解台灣原住民文化的重要性。本教學方案的目標是讓學生認識台灣唯一擁有海洋文化的原住民──達悟族（雅美族）。從地理環境、飲食文化、技藝、祭儀到特色建築，我們將以達悟族為主題，讓學生深入了解其富有生態觀的文化內涵。 同時，透過運用線上沙盒遊戲 Minecraft Education 中的地下屋3D實作，我們希望學生不僅能進一步瞭解原住民文化，還能運用資訊科技深入瞭解其建築特色。本方案採用中英雙語教學，讓學生在課堂中透過達悟族文化議題學習英語，進一步豐富學習經驗。
核心素養	總綱	B1符號運用與溝通表達
	領綱	英-E-B1具備入門的聽、說、讀、寫英語文能力。在引導下，能運用所學、字詞及句型進行簡易日常溝通。
議題	學習主題	原住民教育、資訊教育
	實質內涵	原住民教育 ● 原E4 認識所在部落社區民族分佈的概況。 ● 原E6 了解並尊重不同族群的歷史文化經驗。 ● 原E10 原住民族音樂、舞蹈、服飾、建築與各種工藝技藝實作。 ● 原E13 了解所在地區原住民族部落的自然生態環境。 ● 原E14 學習或實作原住民族傳統採集、漁獵、農耕知識。 資訊教育 ● 資E4 認識常見的資訊科技共創工具的使用方法。 ● 資E5 使用資訊科技與他人合作產出想法與作品。 ● 資E6 認識與使用資訊科技以表達想法。 ● 資E7 使用資訊科技與他人建立良好的互動關係。 ● 資E13具備學習資訊科技的興趣。
學習重點	學習表現	● 英/◎1-III-6 能聽懂課堂中所學的字詞。 ● 英/◎1-III-9 能聽懂簡易句型的句子。 ● 英/◎2-III-2 能說出課堂中所學的字詞。 ● 英/2-Ⅲ-7 能作簡易的回答和描述。 ● 社/2b-Ⅱ-2 感受與欣賞不同文化的特色。

<table>
<tr><td></td><td>學習內容</td><td>

英：Ac-Ⅱ-3第二學習階段所學字詞。
英：B-Ⅱ-1第二學習階段所學字詞及句型的生活溝通。
社：Ab-Ⅱ-1居民的生活方式與空間利用，和其居住地方的自然、人文環境相互影響。

</td></tr>
<tr><td colspan="2">學生先備知識</td><td>英語：學生能理解課室英語，並且使用簡單的英語進行溝通與表達。
社會：學生能認識臺灣的原住民文化，並且尊重不同文化間的特色。</td></tr>
<tr><td colspan="2">學習目標</td><td>
Students would be able to:

O1. 認知. Share the Tao culture, people, crafts, and lifestyle orally.
O2. 認知. Identify the structures of a Tao pit house and its house features.
O3. 技能. Use Minecraft Education to build a Tao pit house with teammates.
O4. 情意. Respect and value the beauty of Tao culture and lifestyle.
O5. 語言. Use English vocabulary and sentence patterns to talk about the topics.

<table>
<tr><th>Lesson</th><th>Language of Learning</th><th>Language for Learning</th><th>Translanguaging</th></tr>
<tr><td>1</td><td>Tao, culture, ocean, legend, flying fish, taro, thong, pattern, boat, taboo</td><td>What can we talk about Tao culture?</td><td rowspan="2">第一節與第二節為概念導入：

教師在說明文化內涵時多用中文。

教師在關鍵字彙使用英語；鼓勵學生在回答問題時，關鍵字彙使用英語。</td></tr>
<tr><td>2</td><td>live, pit house, underground, front, back, porch, room, stable</td><td>What do you see?

Why is the pit house special?</td></tr>
<tr><td>3</td><td>wood, stone, slab, plank, inventory</td><td>How’s your part?

Are you done with the (parts of the house)?</td><td rowspan="2">第三節與第四節為操作與分享：

教師在說明Minecraft操作方法與活動流程時多用中文。

口頭分享時，教師鼓勵學生用英語。</td></tr>
<tr><td>4</td><td>Recycle the language of learning from Lessons 1, 2, 3</td><td>Tell me about Tao culture.

Why do you like this part of Tao culture?</td></tr>
</table>
</td></tr>
<tr><td colspan="2">教學設備/資源</td><td>

Application:
Microsoft Teams or Google Meet, Minecraft Education, YouTube, Wordwall, Google Earth, Powerpoint, Pear Deck, Quizizz, Kahoot!, Jamboard
YouTube Clips:
[山海祭遇] 飛魚來了https://reurl.cc/lDyxDE
Reference:

原住民族委員會 https://reurl.cc/o7yNWM
台灣原住民海報雙年展 https://reurl.cc/RzeKKe
教育部原住民教育資源網 https://reurl.cc/o7VzL5
教育部議題融入說明手冊https://reurl.cc/9469Yx

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</table>

教學活動設計

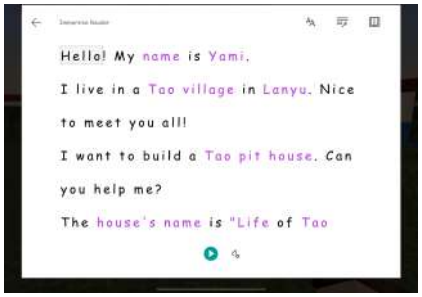
節次 規劃 說明	**1. Tao People and Culture 達悟族人與文化** a. Meet with Yami NPC from Minecraft (教學情境：和蘭嶼女孩/文化做朋友) b. Tao culture introduction via Pear Deck c. Review Lesson 1 via Quizizz **2. Pit House in Lanyu 蘭嶼的達悟地下屋** a. Meet with Yami NPC from Minecraft (教學情境：達悟地下屋的深入了解) b. Tao pit house overview via Google Earth c. House structures and features via Pear Deck d. Review Lesson 2 via Kahoot! **3. Pit House in Minecraft 麥塊的達悟地下屋** a. Review Lesson 1+2 via Kahoot! b. Meet with Yami NPC from Minecraft (教學情境：動手蓋地下屋的邀請) c. ★***Pre-task:*** Minecraft building knowledge d. ★***Main task:*** Building activity in Minecraft e. ★***Post-task:*** Group pictures and TPR in Minecraft **4. Tao Culture Sharing Time 達悟族文化分享** a. Meet with Yami NPC from Minecraft (教學情境：加入文化分享團隊) b. Jamboard summary c. Sentence read-aloud practice d. Oral sharing and screen recording e. Reflection with artworks

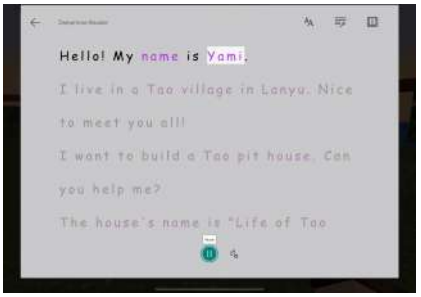
第一節

Tao People and Culture 達悟族人與文化

學習 目標	Students would be able to: ● **O1. 認知.** Know the Tao culture, people, crafts, and lifestyle. ● **O5. 語言.** Use English vocabulary and sentence patterns to talk about the topics. ***(Language of Learning: Tao, culture, ocean, legend, flying fish, taro, thong, pattern, boat, taboo)***

教學活動內容及實施方式	時間	對應目標之評量
Preparation Stage 1. The teacher greets the students online. When greeting, the teacher can share the screen of slides as the follows: ***Instructor's words:*** Greetings! How are you today? Today, I invited a special guest to our class. 我邀請特別來賓 She is from Lanyu. 蘭嶼 She is a Tao girl. 達悟族人 Now, let's meet her in Minecraft! 2. The teacher shares the screen of Minecraft and introduces the Non-Player Character (hereafter NPC) from the Tao village. The teacher can use the **"Immersive Reader" function (i.e. "read-aloud" function)** in Minecraft to have the NPC read the script to the students: ***Yami NPC's words:*** Hello! My name is Yami. I am a 4th grader. I live in a Tao village in Lanyu. Nice to meet you all! I want to share Tao culture with you. Click the button to see my slides **"Life of Tao People."** I will talk about: **"Legend," "Food," "Clothes," "Festival," and "House."**	10 min	Thumbs up or down to check with students





3. The teacher clicks the URL link attached in the NPC, and the window will switch to the instructional slides.

Development Stage | 25 min | Pear Deck interaction (Drawing, Pointing, Circling, etc)

Introducing Tao culture by using the ppt via **Pear Deck**.

Note for Instructors:

- The use of Pear Deck serves the following 2 purposes:

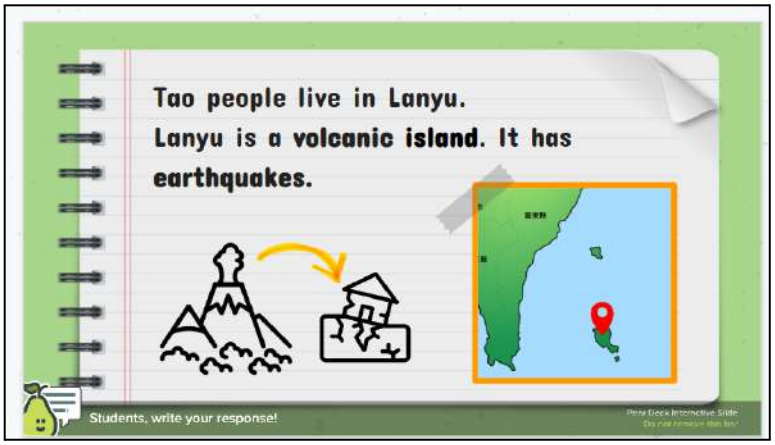
  a. To increase **the teacher-student interaction** via the interactive functions, such as drawing and pinpoint, in an online classroom setting.
  b. To keep students' **attention and participation** in class by inserting multimodal teaching tools via Pear Deck, thus boosting the learning effect and classroom vibes.

- How to Start and Use Pear Deck:

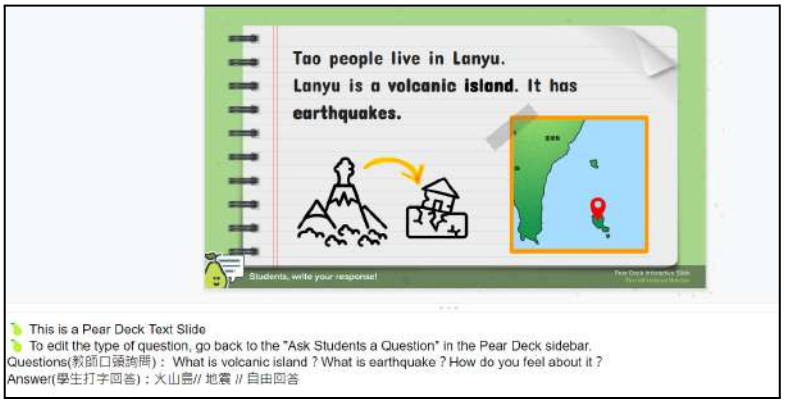
  I. Install Pear deck at Google slides' plugin application before class.
  II. After installation, open Google slides **"Add-on"(擴充功能)**, choose "Pear Deck for Google Slides Add-on" and start Pear Deck by clicking "Start Lesson."

  III. Choose "Instructor-Paced Activity", share the link to the student. Then start the class.

IV. When the bottom of the slide appears the peardeck logo, it means during class, the teacher needs to interact with students.

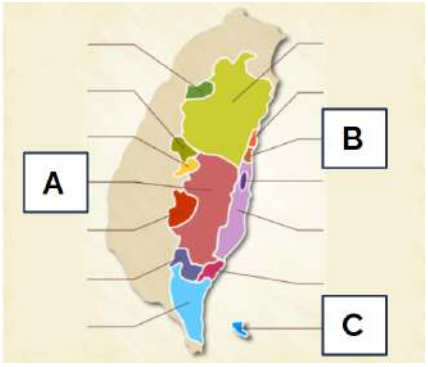


V. There are memos hidden below the slides, in order to show the interacting ways, questions and answers of these specific slides.

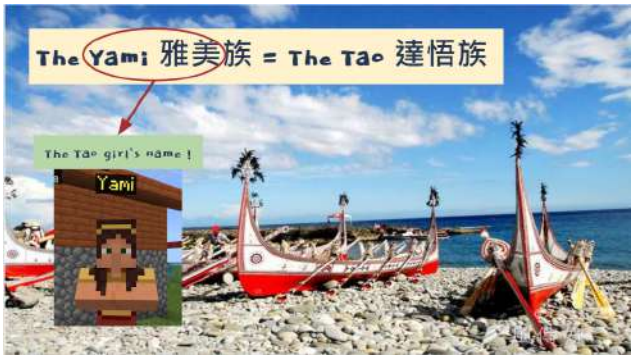


1. Introduce the geographic location of the Tao.
(1)**T:** What Taiwanese aboriginal tribes do you know?
(預設答案 :排灣族、卑南族、阿美族、達悟族....等台灣16族皆可。)

(2)**T:** Yami is a Tao girl. Do you know **where** she lives?
(預設答案：C. She lives in Lanyu.)
T: Lanyu is an island.



(3)**T:** The Tao, so called the Yami, is the only ocean-based Taiwanese aboriginal culture. What is the link between Yami's name and Tao?
(預設答案：達悟女孩的名字「雅美」正是達悟族的另一個名字，雅美族)



2. Introduce about Tao culture:
   (1) teaching material : **YouTube video clip [山海祭遇] 飛魚來了** (https://reurl.cc/lDyxDE), reality pictures and examples
   (2) interactive way: Ask some questions and use Pear Deck during the video.
   (3) content:about the legend, special customs, food, clothes, traditional living and transportation ways of the Tao.

1. Legend and Special customs of Tao—Flying Fish Festival

(1) The legend: 飛魚傳說：
在達悟族人與海洋初次接觸的時候，一群沿海覓食的族人偶然發現了飛魚。他們捕獲這些飛魚，一同煮食與其他的魚、蝦和貝類，結果卻讓他們全身發癢，難以忍受。自此之後，族人只要抓到飛魚，便立刻將其丟棄。飛魚之神得知此事後感到非常傷心，於是透過夢境向族中的長老傳達訊息。夢中出現了一隻黑色飛魚，教導長老如何正確捕捉和食用飛魚，並告訴他們要舉行相應的儀式來尊重飛魚的存在。

(2) The three seasons (融入生態保育議題討論):
a. *2-3月 招魚祭:* Prepare the Tao fishing boats / Prepare tributes for the ocean and the ancestors/ Process the flying fish and eat it
b. *4-5月 收穫祭:* Dry the flying fish and store them
c. *中秋節 終食祭:* They don't eat the flying fish after the Moon Festival

T: 達悟族的飛魚季和祖先的傳說有關，並分成三個「祭」來規定特定的時期捕撈、烹煮、食用和停止捕撈。

★關鍵提問： 想想看，以生態保育、不過度濫捕、環境永續發展的角度來看，你的覺得達悟族人飛魚季的智慧是什麼？What can we talk about Tao culture?

(3) Taboos and customs (融入性別議題討論):

a. Women cannot touch the boat
b. 招魚祭典過後，剛開始漁團的男人們都會一起吃住都一起。(小孩女人一起吃住)
c. 男人下海捕魚，女人上山採芋頭。(男女分工)

★關鍵提問：達悟族人男女都有自己的本分工作，並且有針對女生的「禁忌」或「規定」你覺得這些禁忌是一種對達悟女生的「限制」嗎？還是只是傳統文化的一部分？說說你的看法和評論。

d. Tourists cannot touch or take photos of the boat.
e. Scolding the flying fish is not allowed.
f. 不能說晚上要出海抓飛魚的事情，會招來厄運。(可以說「划船出海」。若不幸犯了禁忌，可以用「祭血竹」消災。)
g. Swimming and Fishing (垂釣)
h. 灘頭血：男人出海前，點血在灘頭，保佑出海平安、長命百壽

2. Traditional culture

(1)Dance:
Men/Boys: Warriors Dance →Show the power and energy
Women/Girls: Hair Dance →Celebrate the Flying Fish Festival
*The long hair =The ocean waves

(2)Art:
color: red, black, white
totem: draw on boats as decoration

3. Food of Tao

(1) 主食：地瓜、芋頭、飛魚、各式魚貝類
(2) 長幼有序：長輩先吃 (融入文化議題討論)
T: Do we have the same food culture as Tao people? (可以想想看，過年吃年夜飯要開飯的時候，大家會等長輩會先動筷子，再開始吃嗎？)
(3) 每樣食物都有它的特定容器
(4) 飛魚季中的身心補給品：芋頭糕

4. Clothes of Tao

(1)擁有海洋文化元素(藍白條紋)，男女有不同的傳統服飾。
(2)Men/ Boys' thongs and armors。

5.House of Tao: pit house (半穴居、地下屋)

T: These are the traditional houses of the Tao. We will know more details about pit houses in next class and even build one in Minecraft world in the third class ! You can look forward to it.

6. Transportation of Tao: 拼板舟

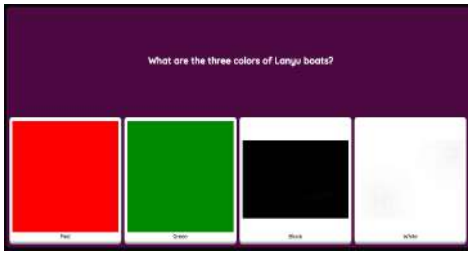
(1) 達悟族傳統工藝：用木片和手工製作的出海重要工具
(2) 美麗的裝飾也是欣賞重點之一。
(3) 刻記號在船上顯示所屬權。

Summary Stage — 5 min — Quizizz feedback

The teacher uses **Quizizz** to wrap up the Tao culture information in this lesson.

Sample question:

- What are the three colors of Lanyu/Tao boats?
- Tao people live in…?
- Tao people eat…?
- Choose the picture of a Tao pit house.
- What will a Tao woman do in the festival?
- What did the blue flying fish legend tell us?



第二節

Pit House in Lanyu 蘭嶼的達悟地下屋

學習目標	Students would be able to: • **O1. 認知.** Know the Tao culture, people, crafts, and lifestyle. • **O2. 認知.** Understand the structures of a Tao pit house and its house features. • **O5. 語言.** Use English vocabulary and sentence patterns to talk about the topics. ***(Language of Learning: live, pit house, underground, front, back, porch, room, stable)***

教學活動內容及實施方式	時間	對應目標之評量

Preparation Stage — 10 min — Thumbs up or down to check with students

1.The teacher invites Yami NPC to speak to the students again:

Yami NPC's words:

Hello! It's Yami!
You did a great job in lesson one!
The Tao pit house is special. It's an underground house.
Can you help me build a pit house in Minecraft?
Now, let's see the real pit house on Google Earth!

2.The teacher uses **Google Earth** as a motivation trigger for this lesson. (https://reurl.cc/M8jMXp).

Note for instructor:
The use of Google Earth serves the following 3 purposes:

1. To give the **geographical impression of Lanyu and Taiwan**, and to highlight the fact that Tao people are the only indigenous people living in the island.
2. To provide a **3D panorama of the Tao pit house** in Lanyu (subterranean house), which can give the students an overview of the house's look.
3. To highlight **the significance of Tao pit house in understanding Tao culture**. As Google Earth officially set up this page under the section "This Is Home." Everyone on Earth can see the beauty of Tao culture.

3. The teacher uses **"What do you see" as the language for learning** in this activity:

Oral evaluation

Instructor's words:

We talked about Legend, Food, and Festivals.
Now, let's look at the Tao pit house.
I will show you the pit house on Google Earth.
Look and tell me "I see_____."

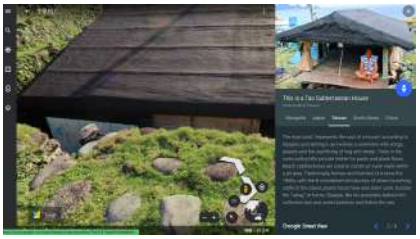
*(Note: The students (S) can reply to the teacher's "What do you see" in **Chinese**; the teacher (T) replies to the students in **English**, preparing for language learning.)*

On Google Earth, the teacher can follow the arrows to explore **parts of the pit house**. The following screenshots marks are the parts where the teacher needs to pause and ask questions:

S: 台灣、蘭嶼、海
T: Taiwan, Lanyu, Ocean

S: Lanyu, 島
T: Island

S: 島上的地方
T: Part of the island/Lanyu



S: 房子、屋頂、地下屋
T: House, rooftop;
the pit house is underground

S: 水溝
T: 溝渠、The ditch

S: 進門的地方
T: The front porch

	 S: 飛魚 **T:** The front room and flying fish	 **S:** 煮東西的地方、廚房 **T:** The front room as kitchen		
	 S: 很多東西 **T:** Things in the backroom	 **S:** 女人、織布 **T:** A Tao woman in the house; The woman is weaving.		

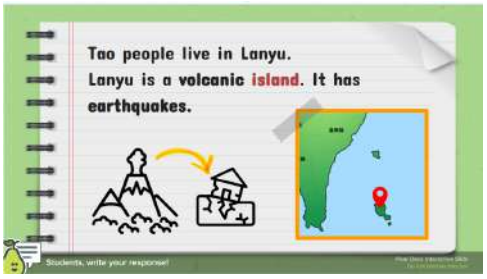
4.The teacher addresses the agenda of this lesson:

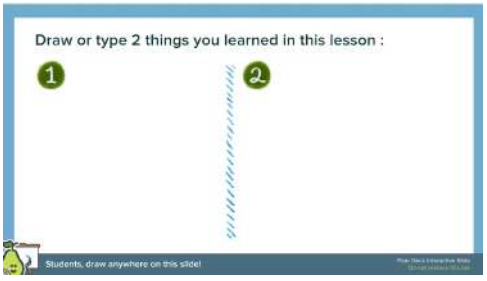
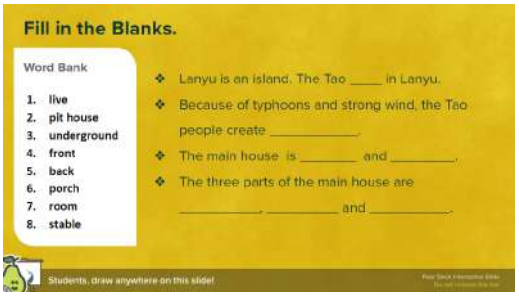
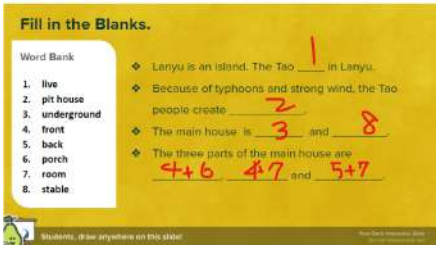
> ***Instructor's words:***
>
> We walked through the pit house on Google Earth.
> Now, I will tell you more about the house.
> **★ Why is the pit house special? (the essential question)**

Development Stage | 25 min | Pear Deck interaction (drawing, circling, pointing, typing, etc)

1. **Tao pit houses and house features** via Google slides+Pear Deck)
   - The geographical and climate features of Lanyu
     - **T:** Lanyu is a volcanic island. It has earthquakes.
     - **T:** It is hot in summer. There is strong wind in winter.
     - **T:** Every summer, typhoons are likely to hit this island.
   - The create and build reason for pit houses
     - **T:** In the past, the Tao people didn't have cement.
     - **T:** They couldn't make their houses on the ground stable enough against typhoons.
   - Introduction of the pit houses
     - the underground and traditional houses of the Tao
     - the whole pit house is called the "main house"
     - made of stones, bamboo, and wood
     - three parts in the main house:
       - front porch: do activities and store tools
       - front room: sleep and cook
       - back room (private space): store armors and treasures

2. **Questions and interactions in Pear Deck**



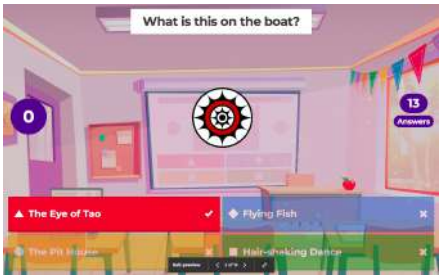
T: What is volcanic island ? What is earthquake ? How do you feel about it ? **S:** (Text answer): 火山島/地震/自由發揮	**T:** What is the name of the strong wind in winter? A: 西南季風, B: 東北季風 **S: 東北季風**		
T: Circle the main house in the top right picture. **S:** (Draw Circle)	**T:** What three materials do they use to build pit houses? **S:** (Text answer): stones, bamboo, and wood		
			
T: Draw or type 2 things you learned in this lesson. **S:** (Text or Draw): 	**T:** Why did the Tao people create pit houses? (choose the wrong one) 選項： A: Because of typhoons. B: Because of strong wind in winter. (東北季風) C: Because it is beautiful and can show how rich the Tao people are. D: Because it's cool in summer/warm in winter. E: Because of earthquakes. **S:** (Multiple choose): C.		
			
1.**T:** Write down the names of three parts of a pit house. S(Text or oral answer):front porch, front room and back room 2. **T:** What do people do there? **S:** (Text or oral answer): front porch: do activities, store tools front room:sleep and cook back room: private room, store armors and treasures	T:Fill in the Blanks. **S:** (write word numbers in the blanks) *標準答案： 		

Summary Stage | 5 min | Kahoot! feedback

The teacher uses **Kahoot!** to wrap up the vocabulary and information in this lesson

Sample questions in Kahoot!:

- **Q:** What do Tao people eat? **A:** Flying fish and taro.
- **Q:** What do Tao people wear? **A:** Tao men wear thongs.
- **Q:** This picture is…? **A:** Tao fishing boats.
- **Q:** What is this on the boat? **A:** The eye of Tao.
- **Q:** What is this woman doing? **A:** Hair-shaking dance
- **Q:** Tao pit house is…? **A:** Underground and stable



第三節

Pit House in Minecraft 麥塊的達悟地下屋

學習目標	Students would be able to: • **O2.** Understand the structures of a Tao pit house and its house features. • **O3.** Use Minecraft Education to build a Tao pit house with teammates. • **O5.** Use English vocabulary and sentence patterns to talk about the topics. ***(Language of Learning: wood, stone, slab, plank, inventory)***

教學活動內容及實施方式	時間	對應目標之評量

Preparation Stage | 5 min | Kahoot! feedback

1. The teacher uses **Kahoot!** to review the Tao culture learned in lesson 1+2 (the unit taught in the first day):

Instructor's words:

Last time, we met a Tao girl. Her name is Yami.
Yami talked about "Legend," "Food," "Clothes," "Festival," and "House" of Tao people.
They are parts of Tao culture.
Let's review what Yami shared with us.

❊ *The teacher can recycle the prompts from the* ***Lesson 1 summary Quizizz*** *and* ***Lesson 2 summary Kahoot!*** *in this section as a warm-up.*

2. The teacher uses PPT to announces the agenda of today's class

Instructor's words (as a transition from the review to the tasks)

Good morning/afternoon! Our friend Yami is here!
Yami is happy to see you learned Tao culture last time.
Today, Yami has a **new task** for us!

Yami's words:

Tao pit house is special. Why?

- The pit house is made of wood and stones.
- The pit house has a front porch.
- The pit house has a front room.
- Tao people dry the fish in the house.
- The pit house has a back room.

I want to build a Tao pit house in Minecraft! Can you help me?

Development Stage (Pre-task and Task) | 10 min | Oral checking

A. Building knowledge: PPT

Thumbs up or down

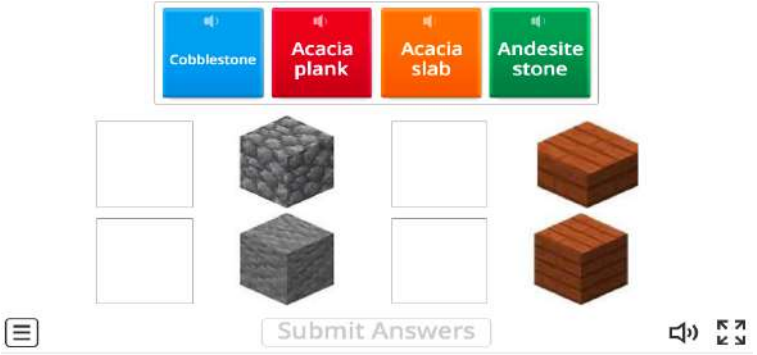
1. The teacher introduces the building materials:

Instructor's words:

We can build houses in Minecraft.
We can use building materials 建築材料.
We will use four materials to build a pit house.
They are
Acacia plank 相思木塊, Acacia wood slab 相思木板,
Andesite stone 安山岩, and Cobblestone 鵝卵石

Note:

1. *The teacher can use **Wordwall matching games** to reinforce student's understanding of these Minecraft materials.*
2. *The teacher should pay attention to the student's understanding of **"the sound," "the icon," "the words" of the materials**, to prepare the students for the upcoming task*



3. The teacher explain the building rundown:

T: This is the building area.
We build the house underground.
- Only work in red lines.
- Say "Help" when needed

T: This is the sample pit house.
- This is the front porch.
- This is the front room.
- This is the back room.

4. The teacher shares the Join Code and invites the students to the Minecraft world.

B. Building activity: Minecraft

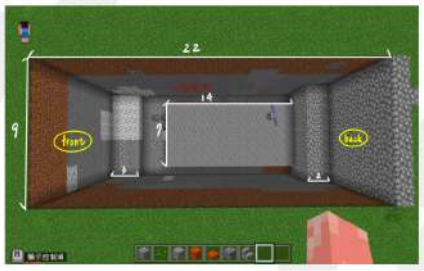
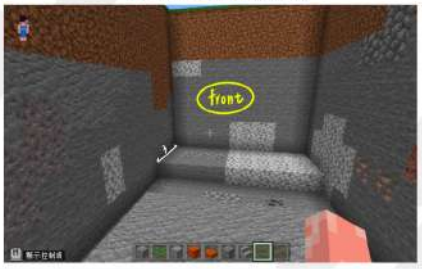
In this section, the teacher will guide the students to build the main house of the pit house.
The language for learning in this section is listed below:

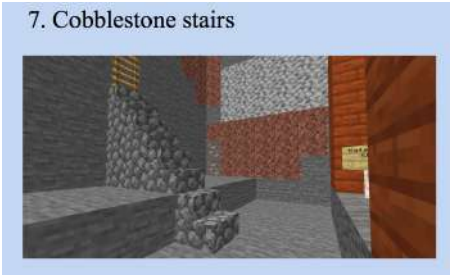
20 min

Minecraft operation and performance

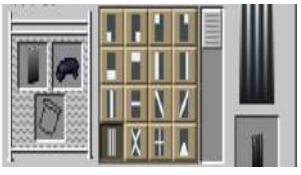
Role assignment:
- (Student's name), you will build (parts of the house).

Check-in:
- (Student's name), how's your part?
- Are you done with the (parts of the house)?

Minecraft Step-by-Step	
foundation(地基) 	(foundation基底) 
(foundation基底) 	1. pillar and ridge of back house(後室的柱子)



C. Bonus activity: Make our house shine!
Teach students how to craft things in minecraft. Encourage them to craft decorations for the pit house.

Campfire: Use 3 wooden blocks, a coal clock, and 3 sticks to create a campfire.	**Loom** **Use two strings and two planks to create a loom.**	**To use the loom:** Choose a pattern to print on your banner, then click on the right side to get your painted banner.
		

Summary Stage (Post-task)

5 min

Total Physical Response (TPR) and the corresponding performance

1. The teacher comments on the students' performance and takes group pictures in the entrance, front porch, front room, and back room. The teacher will use **TPR method (Total Physical Response)** to check the students' understanding of Tao pit house structure and the corresponding language:

Instructor's words:

You did a great job! The pit house is beautiful!
Now, let's take group pictures.
I say the parts of the house, and you go to the place.

For example:
I say, "The tao people eat food in…" You need to go to the front room.
We will then take group pictures in the front room.
You will have 5 seconds to go to the place.
I will meet you there. Are you ready?

"Tao people put treasure in…?
(Back room!) "5, 4, 3, 2, 1!" ***(photo time)***

"Tao people go into the house from…?
(Front porch!) "5, 4, 3, 2, 1!" ***(photo time)***

"Tao people dry flying fish in…?
(Front room!) "5, 4, 3, 2, 1!" ***(photo time)***

"We can see the whole pit house from…?
(Entrance 門口!) "5, 4, 3, 2, 1!" ***(photo time)***

The Pit House Entrance

The Front Porch

The Front Room

The Back Room

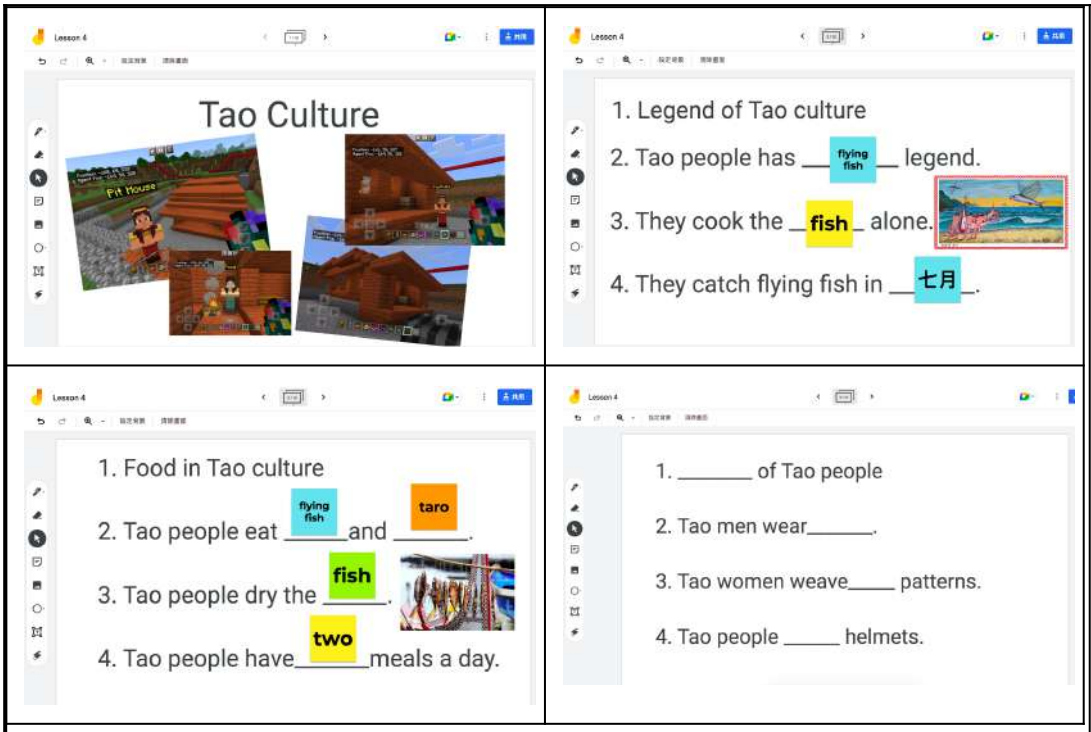
2. The teacher announces the agenda of lesson four.

第四節

Tao Culture Sharing Time 達悟族文化分享

學習目標	Students would be able to: • **O4. 情意.** Respect and value the beauty of Tao culture and lifestyle. • **O5. 語言.** Use English vocabulary and sentence patterns to talk about the topics.

	(Recycled Language of Learning: Tao, culture, ocean, legend, flying fish, taro, thong, pattern, boat, taboo, live, pit house, underground, front, back, porch, room, stable, typhoon, wood, stone, slab, plank, inventory)		
	教學活動內容及實施方式	時間	對應目標之評量
	Preparation Stage 1. The teachers invites Yami NPC again (this time, Yami is standing in front of the student-made pit house): ***Yami's words:*** Hello! It's Yami! Your pit house is wonderful! I love it! You know Tao culture, food, clothes, festivals, and house. Now, I have an idea: I want to invite you to share Tao culture with others with me! Can you make a **Sharing Video Clip**? 2. The teacher announces the goals for this lesson: ● **Goal #1: Use Jamboard to summarize** the Tao culture from the perspectives of legend, food, clothes, festivals, and house. ● **Goal #2: Practice the script, and record our oral sharing.**	5 min	Thumbs up or down to check with students
	Development Stage **Activity #1: Jamboard summary** 1. The teacher shares the link to the working Jamboard. In this section, the students will work from page 1 to page 6. The topic of each page is listed below: | Page	Topic | |---|---| | 1 | Tao Culture Cover (the group pictures taken in Minecraft) | | 2 | Legend of Tao Culture (about the blue flying fish) | | 3 | Food in Tao Culture (about flying fish and taro) | | 4 | Clothes of Tao People (thongs, helmets, and patterns) | | 5 | Tao Festivals and Taboo (flying fish boats and hair-shaking dance) | | 6 | Tao Pit House (front porch, front room, back room, and their features) | | 7-9 | Reflection *(details explained in Summary Stage below)* | 2. Students will be assigned to certain pages: they need to read the sentences listed on the page, and fill in the blanks with the key words or information learned from class. They also need to use the Jamboard 圖片搜尋功能 to insert the related pictures.	10 min	Jamboard performance



Activity #2: Sentence read-aloud practice

10 min

Oral evaluation

1. The teacher will lead the students to read the sentences on each page.
2. Each page has 4 sentences. The students will take turns to read the sentences. The assignment is listed as follows:

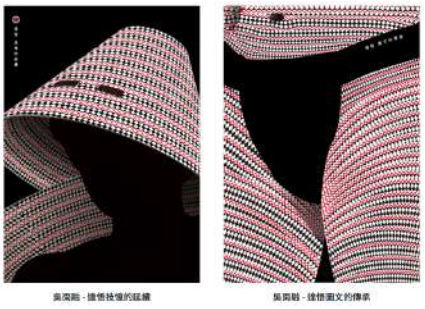
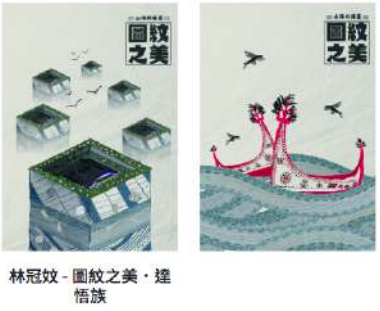
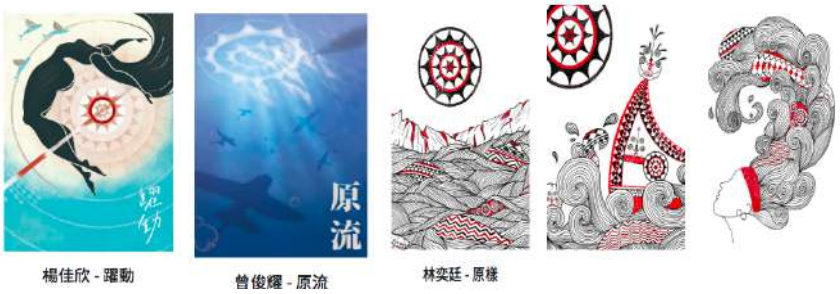
1. Legend of Tao Culture **(Student A)** 2. Tao culture has blue flying fish legend. **(Student B)** 3. Tao people cook the fish alone. **(Student C)** 4. Tao people catch flying fish. **(Student D)**
1. Food in Tao Culture. **(Student D)** 2. Tao people eat flying fish and taro. **(Student A)** 3. Tao people dry the fish. **(Student B)** 4. Tao people have two meals a day. **(Student C)**
1. Clothes of Tao People. **(Student C)** 2. Tao men wear thongs. **(Student D)** 3. Tao women weave blue patterns. **(Student A)** 4. Tao people wear helmets. **(Student B)**
1. Tao Festivals and Taboo. **(Student B)** 2. Tao people build fishing boats. **(Student C)** 3. The boats have the eye of Tao. **(Student D)** 4. Tao women do hair-shaking dances. **(Student A)**
1. Tao Pit House **(Student A)** 2. The pit house is made of wood and stones. **(Student B)** 3. Tao pit house is underground and stable. **(Student C)** 4. The pit house has a front porch, front room, and back room. **(Student D)**

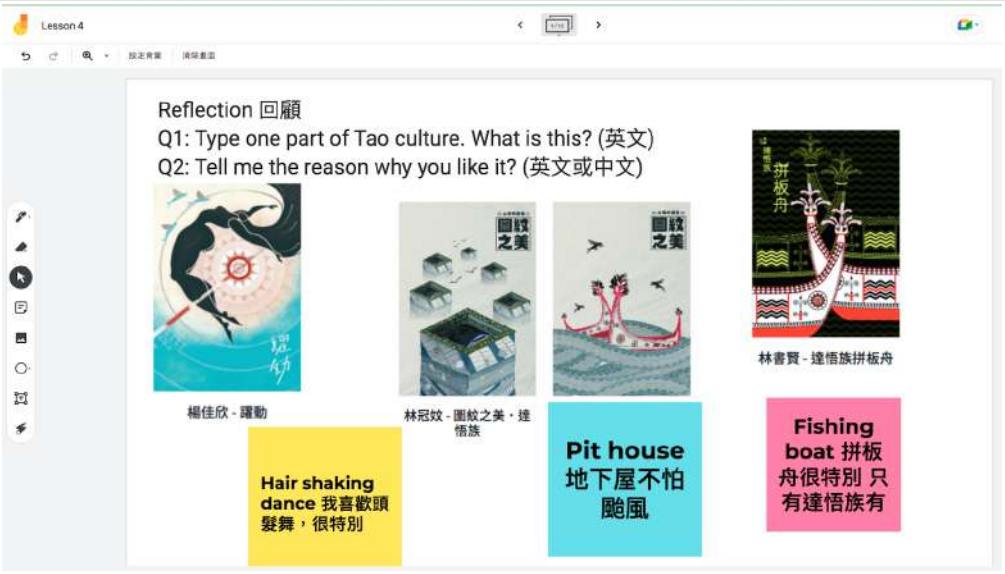
Activity #3: Oral sharing and recording

10 min

Oral evaluation and performance

The teacher will record his/her screen while the students are reading aloud the sentences.

Summary Stage 1. The teacher uses page 7, 8, and 9 in the same Jamboard to make a reflection time for students. The steps are explained as follows: ***Instructor's words:*** The last activity in this topic! On page 7 and 8, you will see beautiful Tao culture artworks. They are from **2019 台灣原住民海報雙年展得獎作品**. You need to pick one, and copy that. On page 9, you will see two questions: Q1: Type one part of Tao culture. What is this? **(英文)** Q2: Tell me the reason why you like it? **(英文或中文)** **You need to:** **1. Copy and paste the selected artwork to page 7.** **2. Answer the two questions. Use 便利貼功能.** ***Sample selected artworks and the elements of the Tao culture:***  Clothes, Helmets, Thong, Red/Black/White colors  Pit House, Fishing Boats, The Eye of Tao  Hair-shaking Dance, Flying Fish, Ocean, The Eye of Tao, Red/Black/White *(Resource: 2019 台灣原住民海報雙年展得獎作品：山海的傳藝圖紋之美 https://reurl.cc/RzeKKe)* 2. The teacher checks the Jamboard, and asks the students to share their thoughts on the topic:	5 min	Jamboard feedback



Demo Figure of Reflection Jamboard

評量內容與策略

1. **評量策略**：本教學方案將從「議題掌握度」、「資訊科技技能」、「雙語之語言使用」三個構面來衡量學生之學習樣態。
2. **評量過程**：在四節課的教學過程中，教師使用評量規準表紀錄學生的表現，每節課都可產出一張評分表。評分方式為三個構面的級數分數，乘以構面配分；例如：某學生在議題構面為91分、資訊構面為96分、語言構面為85分，則其總分為91*40%+96*30%+85*30%＝90.7分
3. **評量規準**如下表列：

第____節 評量表				
	A級 (96~100分)	**B級 (91~95分)**	**C級 (86分~90分)**	**D級 (80分~85分)**
議題 40%	能掌握核心內容 精準回答教師提問	大致掌握議題內容 大致回答教師提問	部分掌握學科內容 部分回答教師提問	未達C級
資訊 30%	能精準使用學習活動所需的科技媒體	大致能操作學習活動所需的科技媒體	部分操作科技媒體 需教師大量協助	未達C級
語言 30%	1. 能使用關鍵字彙 2. 表達清楚流暢 3. 雙語搭配合宜	能呈現A級三項表現中之其中任兩項	能呈現A級三項表現中之其中任一項	未能呈現A級三項表現中之其中任一項
總分	學生姓名：_____ 得分：_____			

The Yami 雅美族 = The Tao 達悟族

The Tao girl's name !

Draw or type 2 things you already know about today's topic:

1

2

Students, draw anywhere on this slide!

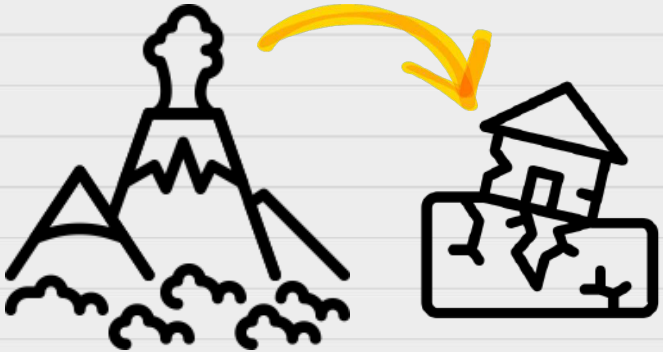
Pear Deck Interactive Slide
Do not remove this bar

WHAT IS THE “PIT HOUSE” ?

Let’s read together!

Tao people live in Lanyu.

Lanyu is a **volcanic** **island**. It has **earthquakes.**



Students, write your response!

Pear Deck Interactive Slide
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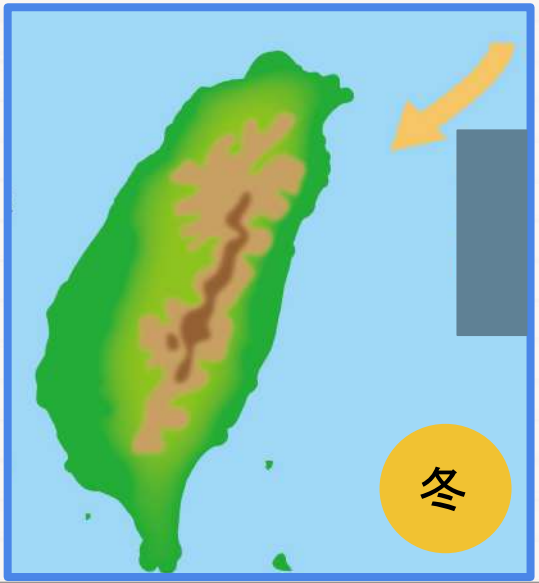
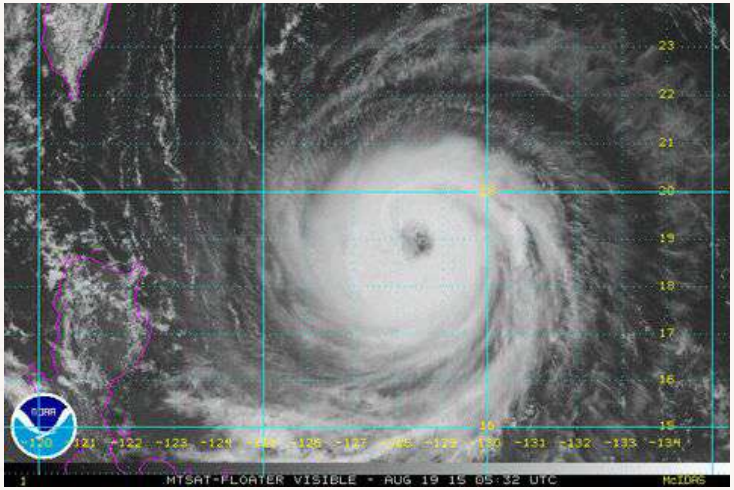
It is hot in summer.

There is strong wind in winter.



夏
熱

冬



Every summer, typhoons are likely to hit this island.

Students choose an option

Pear Deck Interactive Slide
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But in the past, the Tao people didn't have **cement.**

So they couldn't make their houses on the ground **stable** enough **against** typhoons.

To solve this problem, the Tao people created a “**pit house**”.

Pit houses are underground. They are traditional houses of the Tao.

Students, draw anywhere on this slide!

Pear Deck Interactive Slide
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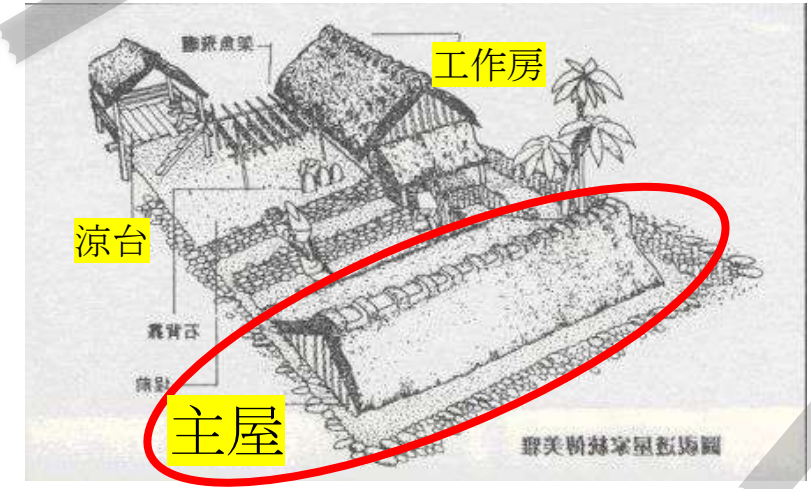
Thanks to the pit house design,
Tao people won't need to worry about strong wind in winter or typhoons in summer.

The whole pit house is called the “main house”.



Tao people **live** in the main house.

They use _____, _____, and _____ to build pit houses!

Students, write your response!

Pear Deck Interactive Slide
Do not remove this bar

目前為止，對於上課速度的感受如何？

完全可以！我跟的上！

有點快和小小不懂!

拜託暫停 我都聽不懂！

Students, drag the icon!

Pear Deck Interactive Slide
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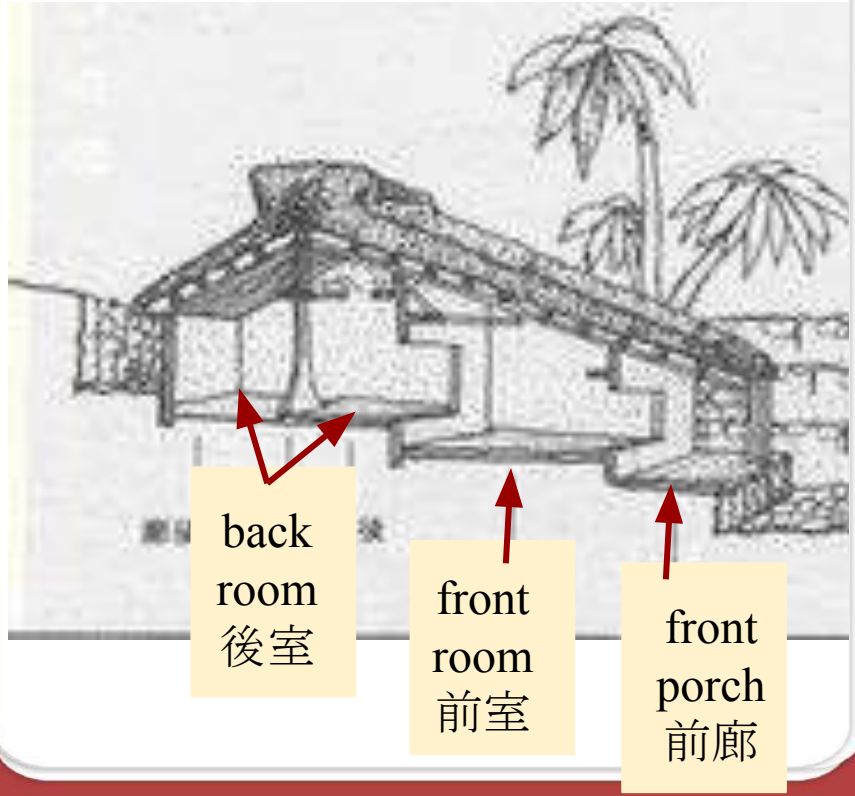
There are three parts in the main house: front porch, front room, and back room.

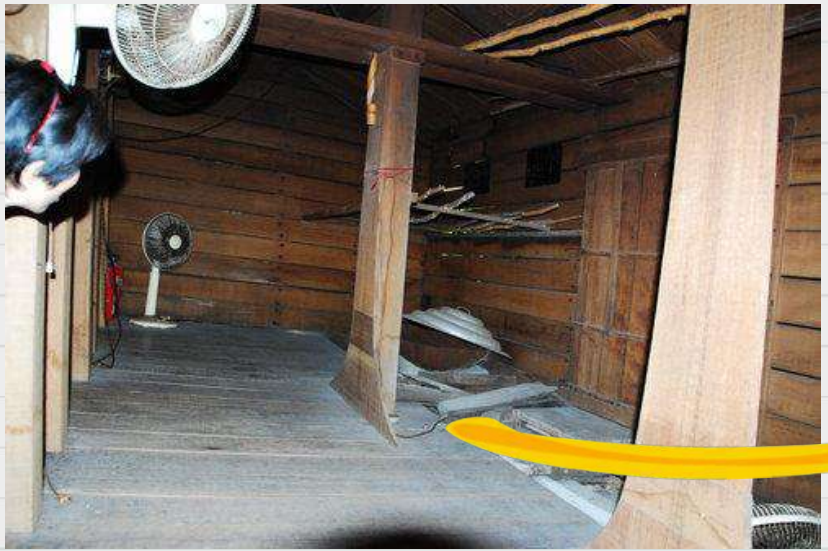


Tao people do some activities and **store** tools on the front porch.

They sleep and cook in the front room.

kitchen

In back room, which is a private space of the house, they store **armors** and **treasures** here.



In our next class, we will try to build a pit house in Minecraft!

Draw or type 2 things you learned in this lesson :

1

2

Students, draw anywhere on this slide!

Pear Deck Interactive Slide
Do not remove this bar

Why did the Tao people create pit houses?

Students choose an option

Pear Deck Interactive Slide
Do not remove this bar

1. Write down the names of three parts of a pit house.
2. What do people do there?

Students, write your response!

Pear Deck Interactive Slide
Do not remove this bar

Fill in the Blanks.

Word Bank

1. **live**
2. **pit house**
3. **underground**
4. **front**
5. **back**
6. **porch**
7. **room**
8. **stable**

- Lanyu is an island. The Tao _____ in Lanyu.
- Because of typhoons and strong wind, the Tao people create _____.
- The main house is _____ and _____.
- The three parts of the main house are _____, _____ and _____.

Students, draw anywhere on this slide!

Pear Deck Interactive Slide
Do not remove this bar

Fill in the Blanks.

Word Bank

1. live
2. pit house
3. underground
4. front
5. back
6. porch
7. room
8. stable

- Lanyu is an island. The Tao _____ in Lanyu.
- Because of typhoons and strong wind, the Tao people create _____.
- The main house is _____ and _____.
- The three parts of the main house are _____, _____ and _____.

Students, draw anywhere on this slide!

Pear Deck Interactive Slide
Do not remove this bar

How well did you like this lesson?

Pear Deck

Students, drag the icon!

Pear Deck Interactive Slide
Do not remove this bar

Class dismissed !
See you next time!

Tao Culture

Position: -168, 64, 333
Agent Pos: -164, 58, 328
Pit House
Edit
Position: -161, 58, 327
Agent Pos: -164, 58, 328
Festivals
Edit
Food
Edit

1. Legend of Tao culture

2. Tao people has ___flying fish___ legend.

3. They cook the _fish_ alone.

4. They catch flying fish in ___七月___.

1. Food in Tao culture

2. Tao people eat flying fish and taro.

3. Tao people dry the fish.

4. Tao people have two meals a day.

1. _____ of Tao people

2. Tao men wear_____.

3. Tao women weave_____ patterns.

4. Tao people _____ helmets.

1. Tao_____ and Taboo.

2. Tao people build _____.

3. The boats have the _____ of Tao.

4. Tao_____ do hair-shaking dances.

1. Tao _____ house

2. The pit house is made of _____ and _____.

3. Tao pit house is _____ and stable.

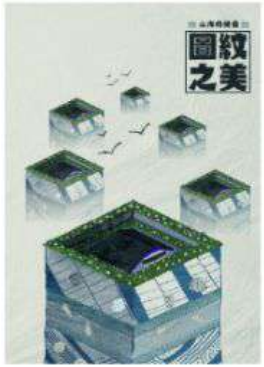
4. The pit house has a _____ porch, front_____, and_____ room.

吳雨融 - 達悟技憶的延續

吳雨融 - 達悟圖文的傳承

曾俊耀 - 原流

楊佳欣 - 躍動



林冠妏 - 圖紋之美・達悟族

山川日月-陳楀翔

黃婉萍 - 達悟之美

2019 台灣原住民海報雙年展得獎作品：山海的傳藝圖紋之美 https://reurl.cc/RzeKKe

林奕廷 - 原樣

張智棋 - 達悟族慶典

張晏真 - 飛魚之神

葉哲宇 - 浪尖之眼

黃婉萍 - 達悟之美

林傳恩 - 飛魚・豐腴

林書賢 - 達悟族拼板舟

曾哲南 - Tao –海族

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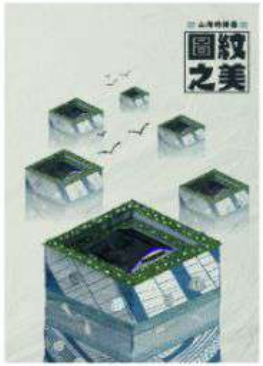
Reflection 回顧

Q1: Type one part of Tao culture. What is this? (英文)

Q2: Tell me the reason why you like it? (英文或中文)

楊佳欣 - 躍動

Hair shaking dance 我喜歡頭髮舞，很特別



林冠妏 - 圖紋之美・達悟族

Pit house 地下屋不怕颱風

林書賢 - 達悟族拼板舟

Fishing boat 拼板舟很特別 只有達悟族有