

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：防災教育

教案名稱：臨震脫逃！Yes, I can！

編 號： 079 （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。

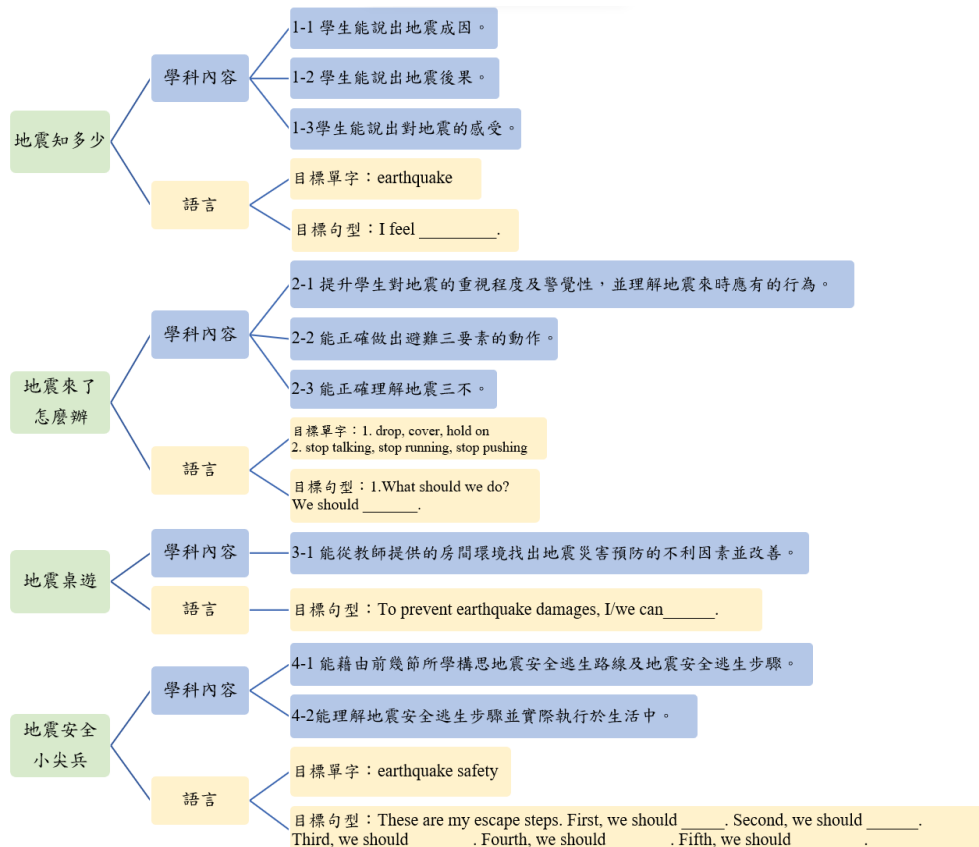
教育部雙語數位學伴營運中心計畫

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	臨震脫逃！ Yes, I can！	
語言別	<input type="checkbox"/> 閩南語雙語 <input type="checkbox"/> 客語雙語 <input type="checkbox"/> 原住民族語雙語 <input checked="" type="checkbox"/> 英語雙語	
年級別	五年級	
教案節數	共 4 節， 160 分鐘	
設計理念	<p>藉由台灣的自然災害中的地震，讓學生理解應擁有正確的防震概念來面對地震的發生，能夠以自身的安全為首要目標；而在地震發生前，也應該做好準備，將環境的傷害降至最低。最終希望學生能將所學運用至生活，並且提升對地震的重視。</p> <p>第一節課了解地震的成因及後果，並以“I feel ____.”之句型表達對地震的感受。第二節課提升學生對防震之重視，學習當下因應之「三不」及「三要」，並以“We should ____.”之句型說明災害當下之可行因應方式。第三節課審視周遭環境的不利預防因素，以房間為主題進行簡易線上桌遊，並以“To prevent earthquake damages, I/we can ____.”之句型說明如何改善。第四節課以校園為主題，使用線上工具進行地震安全逃生路線與步驟的規劃，並以“These are my escape steps. First/Second/Third/Fourth/Fifth, we should ____.”之句型說明逃生之規劃步驟。</p>	
核心素養	總 綱	<p>A2 系統思考與解決問題：</p> <p>具備問題理解、思辨分析、推理批判的系統思考與後設思考素養，並能行動與反思，以有效處理及解決生活、生命問題。</p> <p>B1 符號運用與溝通表達：</p> <p>具備理解及使用語言、文字、數理、肢體及藝術等各種符號進行表達、溝通及互動，並能了解與同理他人，應用在日常生活及工作上。</p>
	領 綱	<p><u>社會領域：</u></p> <p>社-E-A2</p> <p>敏覺居住地方的社會、自然與人文環境變遷，關注生活問題及其影響，並思考解決方法。</p> <p><u>英文領域：</u></p> <p>英-E-B1</p> <p>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。</p>
議 學習主題	防災教育（災害風險與衝擊、災害風險的管理、災害防救的演練）	

題	實質內涵	<p>防 E3 臺灣曾經發生的重大災害及其影響。</p> <p>防 E4 防災學校、防災社區、防災地圖、災害潛勢、及災害預警的內涵。</p> <p>防 E7 認識校園的防災地圖。</p>
學習重點	學習內容	<p><u>社會領域：</u></p> <p>Ab-III-3 自然環境、自然災害及經濟活動，和生活空間的使用有關聯性。</p> <p><u>英文領域：</u></p> <p>◎ Ac-III-2 簡易的教室用語。</p> <p>B-III-2 國小階段所學字詞及句型的生活溝通。</p>
	學習表現	<p><u>社會領域：</u></p> <p>2a-III-1 關注社會、自然、人文 環境與生活方式的互動關係。</p> <p>3d-III-3 分享學習主題、社會議題探究的發現或執行經驗，並運用回饋資訊進行省思，尋求調整與創新。</p> <p><u>英文領域：</u></p> <p>◎1-III-6 能聽懂課堂中所學的字詞。</p> <p>◎1-III-8 能聽懂簡易的日常生活用語。</p> <p>◎2-III-2 能說出課堂中所學的字詞。</p> <p>◎3-III-1 能辨識課堂中所學的字詞。</p>
學生先備知識		<p><u>社會領域：</u></p> <p>A. 學生理解地震是台灣三大天然災害之一。</p> <p>B. 學生有地震防災演練與實際體驗地震之經驗。</p> <p>C. 學生對於地震災害之樣貌有初步概念。</p> <p><u>英文領域：</u></p> <p>A. 對於不同疑問詞的問句與答句有初步概念。</p> <p>B. 學生已有一年雙語線上課程的經驗。</p> <p>C. 英語程度方面為中等，能聽懂課堂中所學的字詞與句型。</p> <p>D. 能藉上課所學運用英語回答教師問題及同儕溝通。</p>

學習目標



第一節

1-1 簡報：

https://docs.google.com/presentation/d/1vZdrq8mIKap7ktHFNAqkN28AZP2ImOmk/edit?usp=drive_link

1-2 繪本：

<https://www.youtube.com/watch?v=TRSvGEvwwT8>

1-3 維冠大樓倒塌影片：

<https://www.youtube.com/watch?v=RLuBfJy3pzg>

1-4 311 大地震影片：

<https://www.youtube.com/watch?v=TBtbfkYXAT0>

1-5 參考教材：

康軒版第六冊 第五單元臺灣的自然災害 第一課地震

第二節

2-1 簡報：

<https://docs.google.com/presentation/d/12fvPMjPEVj0EoBaT0XRUZz3m9LliqjIL/edit?usp=sharing&oid=100048010079275543246&rtpof=true&sd=true>

2-2 影片：

https://www.youtube.com/watch?v=GYQkeufz_bc

2-3 參考網址：

https://web.tainan.gov.tw/publicdisaster/News_Content.aspx?n=21773&s=7800277#

第三節

3-1 簡報：

https://docs.google.com/presentation/d/1z7H7nikXbA8O1hkkklwi3Xt57-B6H7Tn/edit#slide=id.g25541148dc6_3_0

3-2 Kahoot!：

https://kahoot.it/challenge/09583938?challenge-id=802dd668-7493-48e7-9592-c00c3b0bfa00_1687793498562

教學設備/資源

3-3 Live Worksheets(以一個為範例，其他於簡報中)：

<https://www.liveworksheets.com/7-bh352808qv>

3-4 參考網址：

[ShakeOut P2 BeatTheQuake.pdf](#)

第四節

4-1 簡報：

https://docs.google.com/presentation/d/1bbsr2o_TkaiJVbjy-W-AFa5j0JQadeG9/edit#slide=id.g22b07e80e28_0_4

4-2 地震安全逃生影片範例：

<https://youtu.be/0lyGnd9qT98>

4-3 地震安全逃生路線 Milanote：

<https://app.milanote.com/1QbXZ21Byw2k8M?p=4mfFhmdU0YQ>

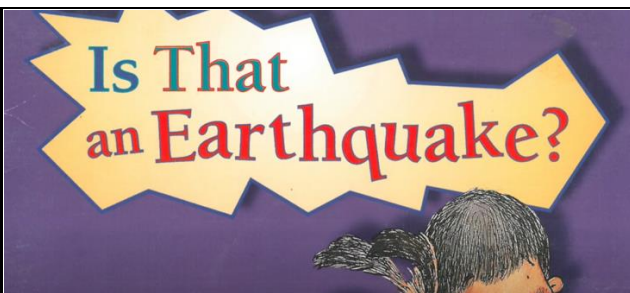
4-4 地震安全逃生步驟 Milanote：

<https://app.milanote.com/1QbXYi1Byw2k8L/earthquake-safety-activity?p=4mfFhmdU0YQ>

4-5 地震安全七步驟參考網址：

<https://www.earthquakecountry.org/sevensteps/>

教學活動設計			
節次規劃說明	1 地震知多少： (C) 了解地震成因及地震帶來的後果 (L) 說出對地震的感受：I feel _____. 2 地震來了怎麼辦？： (C) 提升對地震的重視程度及因應方式 (L) 說出地震該做的事 3 Dos & 3 Don'ts： We should <u>防震因應措施</u> . 避難三要素動作(drop, cover and hold on) 與避難三不(stop running, stop talking, stop pushing) 3 地震桌遊： (C) 覺察房間中不利地震災害預防的因素與改善。 (L) 以句型 “To prevent earthquake damages, I/we can_____.” 表達，並結合先備字彙說明房間相關布置。 4 地震安全小尖兵： (C) 能藉所學規劃地震安全逃生路線與步驟 (L) 使用英文發表地震安全逃生步驟：These are my escape steps. First/Second/Third/Fourth/Fifth, we should _____		
	第一節		
學習目標	<u>學科內容目標：</u> 1-1 學生能說出地震成因。 1-2 學生能說出地震後果。 1-3 學生能說出對地震的感受。 <u>語言目標：</u> 學生能說出課堂中所學的字詞，唸出目標單字與句型。 <u>目標單字：</u> earthquake <u>目標句型：</u> I feel _____.		
教學活動內容及實施方式		時間	對應目標之評量
Warm up(6 min)		6 min	
1.藉由提問，引導學生說出在臺灣常見的災害 <i>T: What kind of disasters do you know?</i> <i>S: 地震、土石流、颱風、洪水.....</i>		(1 min)	
2.連結經驗，帶入本單元主題： 地震災害 <i>T: Have you ever experience an earthquake?</i> <i>S: Yes, I have.</i> <i>T: What happened when earthquakes hit?</i> <i>S: (學生自由回答)</i> <i>T: Everyone has experienced an earthquake. Today, we are going to learn more about “earthquake”.</i>		(2 min)	
3.透過繪本發現地震可能會帶來的感受		(3min)	



(link : <https://www.youtube.com/watch?v=TRsvGEvwwT8>)

T: How does the boy feel about an earthquake?

S: He feel nervous/stressful.....

Development(30min)

1.地震的成因

(1) 傳說故事

T: In the past, we called an earthquake “地牛”. Let’s think about why an earthquake is called “地牛”.

S: Because the shaking ground is like a bull rolling over. (學生可使用中文回答)

T: That's because the people in the past didn't know the detail of earthquake, they called earthquake “地牛”.

(2)地震成因：利用動畫呈現板塊擠壓的狀況



(link: https://www.youtube.com/watch?v=DR_PQyYMaA0)

T: There are many plates(板塊)on the earth. What happens when two plates squeeze?

S: It makes the land shake. (學生可使用中文回答)



T: Earthquakes are made by plates movements.

T: Look at the map. Where do most earthquakes happen?

S: Most earthquakes happen at 板塊交界處 (plate boundary).

T: 板塊交接處 is called “plate boundaries”. We call the plate boundary

30 min

(10min)

口語評量：

學生能根據教師連貫性提問，說出地震的成因。

口語評量：

學生能說出台灣經常發生地震的原因。

“seismic belt”(地震帶).

(3)台灣的地理位置

T: Where is Taiwan on the map?

S: On the right side of Asia. (point at Taiwan)

T: Is Taiwan on the seismic belt?

S: Yes, it is on the 環太平洋地震帶.

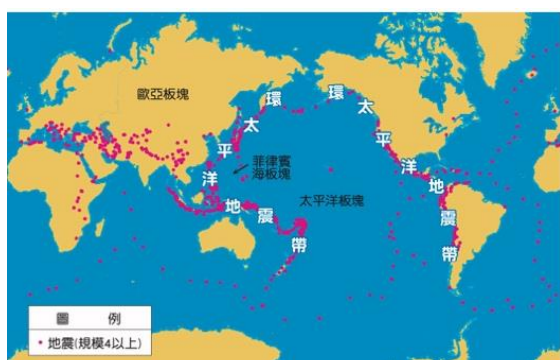
T: 環太平洋地震帶 is called “Circum-Pacific Seismic Belt”.

T: So, Taiwan has many earthquakes.

T: Besides Taiwan, what countries are also on the “Circum-Pacific Seismic Belt”?

S: 日本、菲律賓.....

T: Now, let's see what happen when an earthquake hits.



2.使用有名的案例，說明地震帶來的後果

(1)台南維冠大樓倒塌

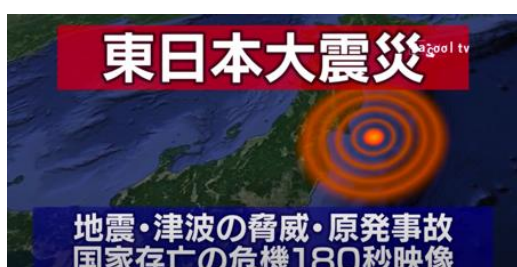


(link : <https://www.youtube.com/watch?v=RLuBfJy3pzg>)

T: What happened when earthquakes hit Tainan?

S: hanging lights shaking, buildings collapse.....(學生可使用中文回答)

(2)日本 311 大地震



(link : <https://www.youtube.com/watch?v=TBtbfkYXAT0>)

(10min)

口語評量：

學生能說出影片中地震的影響。

(10min)

口語評量：

學生能說出影片中地震的影響。

<p><i>T: What happened when earthquakes hit Japan on Marth 11?</i> <i>S: tsunami, power cut.....(學生可使用中文回答)</i></p> <p>3.運用提問，引導學生說出看到地震災害的感受</p> <p><i>T: How do you feel after watching these videos?</i> <i>S: I feel _____. (sad, scared, nervous.....)</i> <i>T: Why do you feel <u>sad/scared/nervous, etc.</u>?</i> <i>S: Because_____.</i> (學生自由回答)</p>		
<p>Wrap up(4 min)</p> <p>1.教師使用提問複習課堂所學</p> <p><i>T: Why are there many earthquakes in Taiwan?</i> <i>S: Because Taiwan is on the “Circum-Pacific Seismic Belt”. (學生可使用中文回答)</i> <i>T: What may happen after an earthquake hit?</i> <i>S: hanging lights shaking, building collapse, tsunami, power cut.....(學生可使用中文回答)</i> <i>T: How do you feel about earthquakes?</i> <i>S: I feel _____. (學生自由回答)</i></p> <p>2.預告課程</p> <p><i>T: Next lesson we will learn what to do when earthquakes hit and how to protect ourselves.</i></p>	<p>4 min (3min)</p> <p>1 min</p>	<p>口語評量： 學生能使用目標句型說出對地震的感受。</p> <p>口語評量： 學生能回答教師提問複習課程所學。</p>

第二節

學習目標	<p><u>學科內容目標：</u> 2-1 提升學生對地震的重視程度及警覺性，並理解地震來時應有的行為。 2-2 能正確做出避難三要素的動作 2-3 能正確理解地震三不。</p> <p><u>語言目標：</u> 學生能說出課堂中所學的字詞，唸出目標單字與句型。</p> <p><u>目標單字：</u> 1. drop, cover, hold on 2. stop talking, stop running, stop pushing</p> <p><u>目標句型：</u> 1.What should we do? We should <u>防震因應措施</u>.</p>
------	--

教學活動內容及實施方式	時間	對應目標之評量
<p>Warm up(5min)</p> <p>1.複習地震後果</p> <p><i>T: What may happen after an earthquake hit?</i> <i>S: hanging lights shaking, building collapse, tsunami, power cut.....(學生可使用中文回答)</i></p> <p>2.藉由提問，引導學生說出地震發生時的作為。</p> <p><i>T: What do you do when an earthquake hits?</i> <i>S: 立刻跑到空曠的空地。</i></p>	<p>5 min (1 min)</p> <p>(1 min)</p>	

<p>S: 立刻躲到桌子底下。</p> <p>3.播放國外因應地震的影片。</p> <p>(link : https://www.youtube.com/watch?v=S5jduqLwE-8)</p> <p>T: What do you see in this video?</p> <p>S: 他們都會立刻蹲下，保護頭部。</p> <p>T: Why is it important?</p> <p>S: 保護自身的安全。</p> <p>4.引出課程重點：提升學生對地震的重視程度及警覺性。</p>	<p>(2 min)</p> <p>(1 min)</p>	
<p>Development (25min)</p> <p>1.藉由 10 張圖片，讓學生分類正確與不正確的行為，再依序說明。</p>	<p>25 min</p> <p>(4 min)</p>	
 <p>T: Everyone, here are ten pictures. When an earthquake hits, what should we do and what should we not do?</p> <p>T: Should we do this? (show the pictures and videos)</p> <p>S: Yes, we should. No, we shouldn't.</p> <p>(1)到處亂跑/趴下(drop)、掩住(cover)、穩住(hold on)</p> <p>(2)不保護頭部/帶好防災頭套(cover the head)</p> <p>(3)不開門窗/打開門窗(open the windows)</p> <p>(4)不關燈/關燈(turn off the lights)</p> <p>(5)樓梯堵塞/不語(stop talking)、不跑(stop running)、不推(stop pushing)</p>		<p>口語評量：</p> <p>學生能說出正確及不正確的避難行為。</p>
<p>2.引導學生說出錯誤避難行為的原因，並連結正確避難行為。</p> <p>(1)到處亂跑/趴下(drop)、掩住(cover)、穩住(hold on)</p>  <p>T: What should we do?</p> <p>S: We should _____.(學生可使用中文回答)</p> <p>T: Great, we should drop, cover and hold on.</p> <p>T: Why should we drop, cover and hold on?</p> <p>S: Because _____may _____. 如果沒有... 會...(學生可使用中文回答)</p> <p>T: If we run around, we may get hurt by the shaking ground.</p>	<p>(7 min)</p>	<p>實作評量：</p> <p>學生能正確做出避難三要素。</p>

T: We should drop, cover and hold on to protect ourselves.

T: So, what should we do?

S: We should drop, cover and hold on.

T: We call these 3 Dos.

(2)不保護頭部/帶好防災頭套(cover the head)



(link : https://www.youtube.com/watch?v=GYQkeufz_bc)

T: What should we do?

S: We should _____.(學生可使用中文回答)

T: Right, we should cover our heads.

T: Why should we cover our heads?

S: Because _____.(可用中文或英文回答)

T: If we do not protect the head, we may get hurt by fallen items.

T: We should cover the head to protect ourselves.

T: So, what should we do?

S: We should cover the head.

(3)不開門窗/打開門窗(open the windows)



T: What should we do?

S: We should _____.(學生可使用中文回答)

T: Right, we should open the windows.

T: Why should we open the windows?

S: Because _____.(可用中文或英文回答)

T: Because the closed window may be squeezed out of shape.

T: We should open the windows to protect ourselves.

T: So, what should we do?

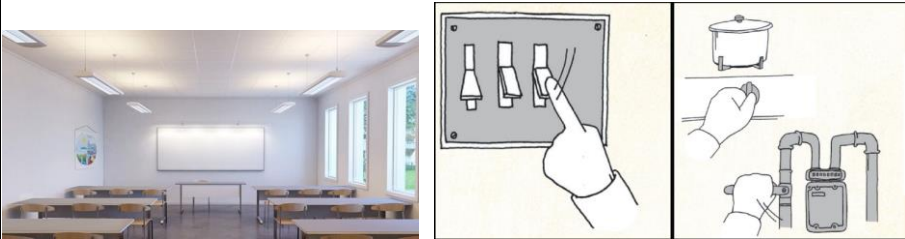

S: We should open the windows slowly.

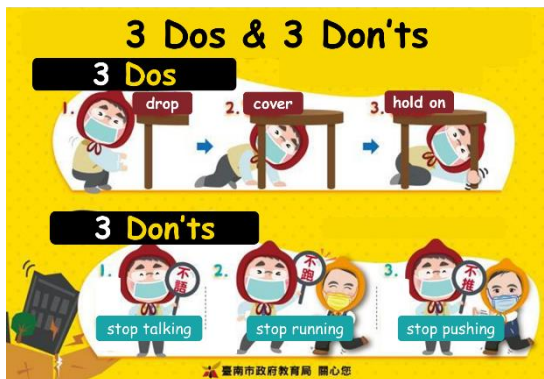
(4 min)

口語評量：
學生能說出正確及不正確的避難行為及原因。

(3 min)


口語評量：
學生能說出正確及不正確的避難行為及原因。

<p>(4)不關燈/關燈(turn off the lights)</p>  <p><i>T: What should we do?</i> <i>S: We should _____.(學生可使用中文回答)</i> <i>T: Excellent, we should turn off the lights.</i> <i>T: Why should we turn off the lights?</i> <i>S: Because _____.(可用中文或英文回答)</i> <i>T: The lights may cause an electrical fire.</i> <i>T: We should turn off the lights to protect ourselves.</i> <i>T: So, what should we do?</i> <i>S: We should <u>turn off the lights</u> calmly.</i></p>	(3min)	<p>口語評量： 學生能說出正確及不正確的避難行為及原因。</p>
<p>(5)樓梯堵塞/不語(stop talking)、不跑(stop running)、不推(stop pushing)</p>  <p><i>T: What should we do?</i> <i>S: We should _____.(學生可使用中文回答)</i> <i>T: Great job! We should stop talking, running and pushing.</i> <i>T: Why should we stop talking, running and pushing? (do the actions)</i> <i>S: Because _____.(可用中文或英文回答)</i> <i>T: Because talking, running and pushing may cause panic.</i> <i>T: We should stop talking, running and pushing to protect ourselves.</i> <i>T: So, what should we do?</i> <i>S: We should <u>stop talking, running and pushing.</u></i> <i>T: We call these 3 Don'ts.</i></p>	(4 min)	<p>口語評量： 學生能說出疏散時的三不。</p>
<p>Wrap up(10min)</p> <p>1. 透過提問，學生說出課程中「地震時」可以做與不該做的事。</p> <p><i>T: (teacher show the picture)</i> <i>T&Ss: What should we do?</i> <i>S: We should <u>防震因應措施</u>.</i> <i>T: Why?</i></p> <p>2. 複習掩護「三 Dos」及動作：drop, cover, hold on。</p>	<p>10 min (3 min) (5 min)</p>	<p>口語評量： 學生能說出正確及不正確的避難行為。</p> <p>實作評量： 學生能正確做</p>

<p>3.複習地震「三 Don'ts」：stop talking, stop running, stop pushing。</p> 	(2 min)	<p>出避難三要素。</p> <p>口語評量： 學生能說出疏散時的三不。</p>
---	---------	--

第三節

學習目標	<p>學科內容目標：</p> <p>3-1 能從教師提供的房間環境找出地震災害預防的不利因素並改善。</p> <p>語言目標：</p> <p>學生能應用目標句型說明改善的方式：</p> <p>目標句型：</p> <p>To prevent earthquake damages, I/we can_____.</p>
------	--

教學活動內容及實施方式	時間	對應目標之評量
<p>Warm up (7 min)</p> <p>1.以 Kahoot!進行先前課程重點複習(10 題)。</p> <p>(1) Reasons of earthquake</p> <p>(2) Damages of earthquake</p> <p>(3) Wrong examples</p> <p>(4) 3 Dos and 3 Don'ts</p>  <p>(link : https://kahoot.it/challenge/09583938?challenge-id=802dd668-7493-48e7-9592-c00c3b0bfa00_1687793498562)</p>	7 min	<p>口頭評量：</p> <p>運用 Kahoot! 檢視學生對前兩節內容的熟悉程度。</p>
<p>Development (23 min)</p> <p>1.課程重點引導。</p> <p>(1) We learned some basic knowledge and what we should do when an earthquake hits.</p> <p>(2) There are some ways to prevent earthquake damages.</p> <p>(3) Prevent: we do something before an earthquake hits. (此處可用 before 引導學生理解 prevent 的意涵)</p> <p>2.根據圖片<u>預測</u>可能的災害。</p>	<p>23min (2min)</p> <p>(12min)</p>	<p>口頭評量：</p> <p>引導學生使用句型說明地震災害如何預防。</p>

需說出改善的方法：

How can we prevent earthquake damages?

To prevent earthquake damages, I/we can _____.

- **remove objects on open shelves./**
- **remove hanging objects./**
- **move big furniture away.**

(1) Now I'm going to show some pictures.

Please tell me: What may happen?

(2)引導：objects on **open** shelves



T: When an earthquake hits, what may happen if you stand near open shelves? (when introducing open shelves, point at them)

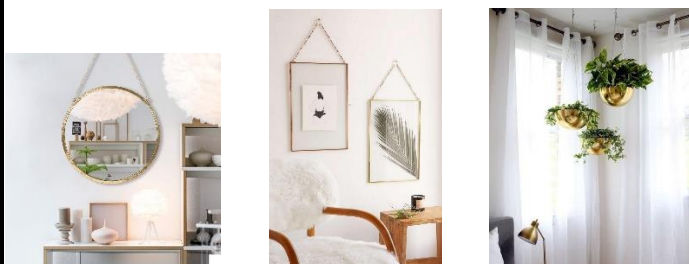
(回答中英皆可，如：The objects on the shelves may fall down and hit me.)

T: How can we prevent earthquake damages?

S: I/we can remove objects on open shelves.

(Remove=We don't want it.)

(3)引導：**hanging** objects



T: When an earthquake hits, what may happen if you stand near hanging objects? (when introducing hanging objects, point at them)

(回答中英皆可，如：The hanging objects may fall down and break.)

T: How can we prevent earthquake damages?

S: I/we can remove hanging objects.

(4)引導：big furniture



T: When an earthquake hits, what may happen if you stand near big furniture? (when introducing furniture, point at it)

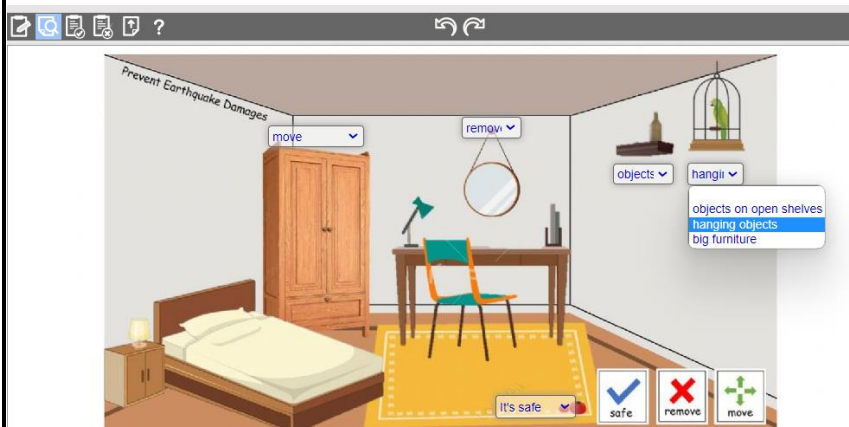
回答中英皆可，如：The big furniture may fall down and hurt me.

T: How can we prevent earthquake damages?

S: I/we can remove big furniture away.

(move sth away=far from you)

3. 規劃如何預防與改善。

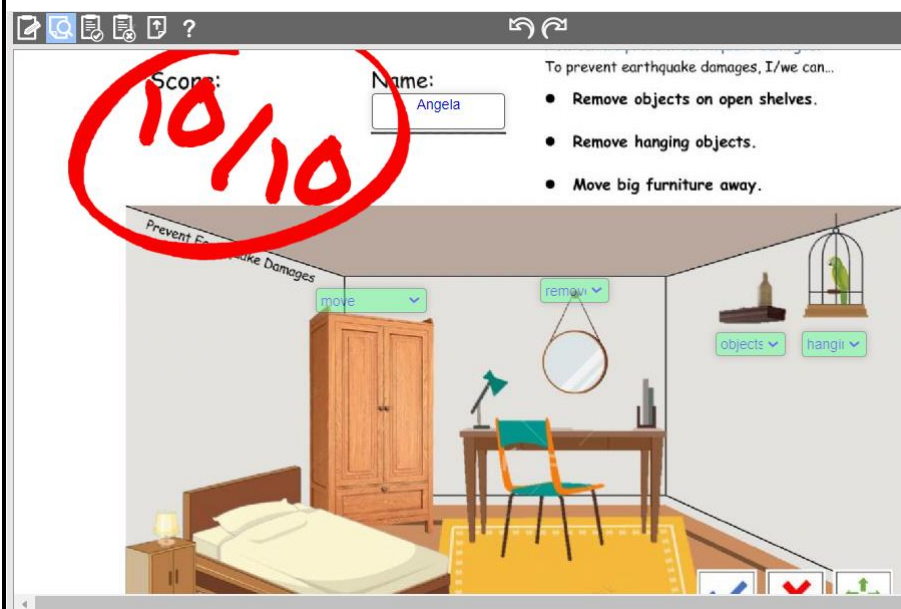


(1) 每位學生觀察 Live Worksheets 的房間配置圖，並在上面標示出應如何改善。

(2) 告知學生會請他們說明，如果有需要可以先根據句型寫出講稿。

(link : <https://www.liveworksheets.com/7-bh352808qv>)

Wrap up (10 mins)



1. 呈現學生回答完成後的房間圖，並以句型說明可以如何改善。
(至少說明三項)。

T: How can we prevent earthquake damages?

(1) 參考句型 “To prevent earthquake damages, I/we can _____.”

2. 若發現該圖有更多可改善的配置，可詢問其他學生並請他補充。

(9min)

實作評量：
使用 Live
Worksheets 規
劃如何預防，
並用句型說明
預防的方法。

10 min

第四節

學習目標

學科內容目標：

4-1 能藉由前幾節所學構思地震安全逃生路線及地震安全逃生步驟。

4-2 能理解地震安全逃生步驟並實際執行於生活中。

語言目標：

學生能說出課堂中所學的字詞，唸出目標句型，並搭配前幾節課所學完成發表完整的句型。

目標單字：

earthquake safety

目標句型：

These are my escape steps.

First, we should _____.

Second, we should _____.

Third, we should _____.

Fourth, we should _____.

Fifth, we should _____.

教學活動內容及實施方式

時間

對應目標之評量

Warm up(5 min)

1.連結上節所學。

T: We learned how to prevent earthquake damages. What do you remember?

S: To prevent earthquake damages, I can _____.

T: Very good, we can see that all of you knows about how to prevent earthquake damages.

2.藉由提問，請學生依照所屬環境，例如：學校或家中，環顧四週是否有危險的物品需要調整。

T: Now, I want you to look around.

T: What item is dangerous

S: 電腦主機上的檯燈、很高的書櫃、架子上的物品。

T: How do we prevent earthquake damages?

Ss: We can _____. (學生可運用前節所學或自身經歷回應，教師再依回答提供新的詞彙供學生學習)

3.複習前幾節課所學。

T: When an earthquake hits, what should we do?

Ss: We should _____. (drop, cover and hold on/ cover the head/ open the windows/ turn off the lights/ stop talking, running and pushing)

T: Excellent! All of you knows about what we should do when the earthquake hits.

Development(25 min)

1.模擬「地震安全逃生路線」活動。

(1)教師撥放影片，供學生思考地震來臨時的逃生路線。

(link : <https://youtu.be/0lyGnd9qT98>)

T: When an earthquake hits, what does she do?

5min

25min
(6min)

實作評量：
藉由 Milanote
中的學習單設
計出地震安全
逃生路線。

S: She covers her head/ turns off the lights/ opens the door.

T: After an earthquake hits, how does she escape?

(影片中的的人是如何逃生的?)

S: 找到靠近教室旁的樓梯，注意疏散流量。

T: Can we take the elevator?

S: No.

T: Why?

S: 地震時如果搭電梯可能會被困在裡面。

T: Where does she run in the end?

S: 空曠的地方(open place)。

T: That's right. When we escape, we need to follow three rules:

Don't take the elevator,

Walk the stairs near the classroom,

Run to the nearest open place

(2)運用學校的逃生圖(如下圖)，藉由逃生路線規劃的三大原則，請學生進入 Milanote 中，構思地震安全逃生路線並畫在學習單上。

(*每位學生分配到的位置都不一樣)

(link :

<https://app.milanote.com/1QbXZ21Byw2k8M?p=4mfFhmdU0YQ>)



(3)教師分享Milanote 連結給學生並協助登入後，依序進入視窗。

T: Everyone, please enter your board. (For example, students 1 enter student 1's board.)

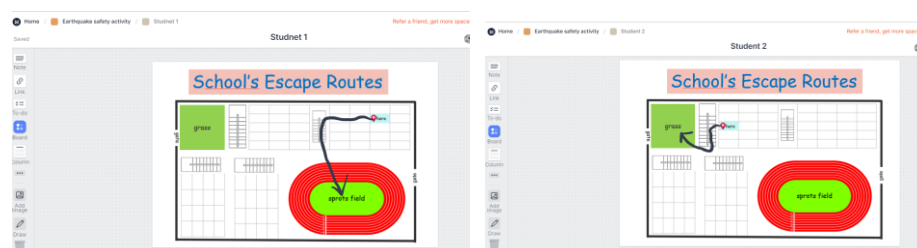
T: Now, it's your turn to design the escape routes.

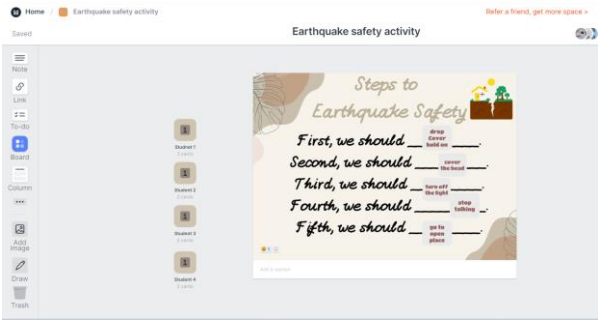
(4)請學生分享如何規劃地震安全逃生路線的。

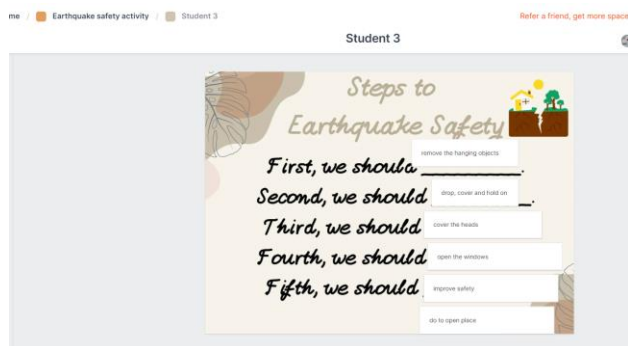
T: Please share how you design your escape routes.

S1:除了不搭電梯，走樓梯，也有注意疏散人潮，最後跑到操場。

S2:雖然教室兩旁都有樓梯，但找到最靠近的樓梯後，最後跑到最近的空地(草皮)。



<p>2.模擬「地震安全逃生步驟」活動。</p> <p>(1)請學生藉前幾節課所學構思在逃生的過程，應該做的步驟有哪些。 <i>T: Now, it's your turn to design the escape steps to earthquake safety!</i></p> <p>(2)教師播放示範影片。</p> <p>*活動說明：教師播放影片，供學生參考逃生過程中應做的事情有那些，並請學生藉前幾節課所學之內容，構思出逃生的步驟。</p> <p><i>T: Let's see the video first.</i> (link : https://youtu.be/0lyGnd9qT98)</p> <p><i>T: What do you see in this video?</i> <i>S: We should drop, cover and hold on.</i> <i>S: We should turn off the lights.</i> <i>S: We should stop talking and stop running when we escape.</i></p> <p><i>T: Now, it's your turn! Please think about what steps to earthquake safety are.</i>各位小朋友都有看到影片中的同學逃生過程中做了哪些事情，現在請你們構思地震安全逃生步驟! (*可依照學生的程度調配使用中文或英文)</p> <p>(3)請每位學生各自設計自己的地震安全逃生步驟。</p> <p>*活動說明：教師先藉由影片作為範例，引導學生能設計自己的逃生路線及逃生步驟。</p> <p>(link : https://app.milanote.com/1QbXYi1Byw2k8L/earthquake-safety-activity?p=4mfFhmdU0YQ)</p>  <p>(4)請每位學生進入到自己的視窗，並將想法打在學習單上。</p> <p>*補充說明：影片是引導學生構思出地震安全逃生步驟，鼓勵學生構思出影片中沒有做到但前幾節課有教的方法。</p> <p>(5)同學分享各自的地震安全逃生步驟，並請同儕互相給予回饋。</p> <p><i>T: Please share your escape steps to earthquake safety.</i> <i>Ss: These are my escape steps.</i> <i>First, we should _____.</i> <i>Second, we should _____.</i> <i>Third, we should _____.</i> <i>Fourth, we should _____.</i> <i>Fifth, we should _____.</i></p>	<p>(19min)</p> <p>實作評量：</p> <p>藉由 Milanote 中的學習單設計出地震安全逃生步驟。</p>
---	--



T: What do you think about his or her escape steps?

S: 流程正確! 熟習安全逃生步驟。

S: 他有想到我沒有想到的步驟。

(6)地震安全逃生七步驟：

教師統整同學們的逃生步驟，結合前幾節課所學並補充額外知識。

T: All your ideas are pretty good. I conclude your ideas and let's see seven steps to earthquake safety.

T: Let's say it together and do it together.

-First, we should secure your space. (確認環境安全)

-Second, we should plan to be safe. (制定安全計畫)

-Third, we should organize disaster supplies. (準備急難補極品)

-Fourth, we should drop, cover and hold on. (趴、掩、穩)

-Fifth, we should stop running, talking and pushing. (不跑、不說、不推)

-Sixth, we should improve safety. (確定安全)

-Seventh, we should reconnect and restore. (聯繫他人及修補)

Wrap up(10 min)

1.複習地震安全逃生七步驟。

T: Let's review seven steps to earthquake safety. (do the actions together)

2.說明：這個步驟的順序不是固定的，但最主要的理念是「要先確認自己的安全」後再執行動作。

T: Personal safety is the most important thing.

3.藉由提問，引出課程重點並做總結：

我們都知道台灣很容易發生地震，同學們學會當地震來臨時可以做什麼動作來保護自己，也知道能做哪些事情預防地震帶來的後果，我們要好好正視地震，保護自己的安全!

T: How do you feel when an earthquake hits? Do you still feel scared?

S: No.

T: Why?

S: I know what I should do when the earthquake hits.

S: I know I should be clam.

T: That's right! When the earthquake hits, we can do what we have learned in four lessons!

10min

(7min)

(1min)

(2min)

口語評量

實作評量：

學生能理解地震安全逃生步驟並實際執行於生活中。

T: Don't panic, be calm and take actions!

T: Now, it's in the end of the class!

評量內容與策略

評量規準 評量項目	A	B	C	D
英語聽說能力	能聽懂英文問題，並以正確流暢的英語表達回應。	能聽懂英文問題，並以英語回應，偶有小錯誤。	似乎聽懂英文問題，經引導會以簡短英語回應。	似乎聽不懂英文問題，無法以英語表達回應。
地震知識之認知與災害預防	會流暢使用英語正確說明地震相關知識、表達地震之應對與預防的方式。	大致會使用英語正確說明地震相關知識、表達地震之應對與預防的方式。	經引導會以簡短英文字詞說明地震相關知識、表達地震之應對與預防的方式。	不知道如何以英文說明地震相關知識、表達地震之應對與預防的方式。

評量策略：

- 1.口語評量：學生能根據教師連貫性提問回答教師之問題，並說出課程中習得之學科內容及語言目標。
- 2.實作評量：學生能根據教師引導進行認知的展現，在模擬真實的情境中解決問題。

附件：

*教學簡報

第一節：

https://docs.google.com/presentation/d/1vZdrq8mlKap7ktHFNAqkN28AZP2ImOmK/edit?usp=drive_link

第二節：

<https://docs.google.com/presentation/d/12fvPMjPEVj0EoBaT0XRUZz3m9LliqjIL/edit?usp=sharing&ouid=100048010079275543246&rtpof=true&sd=true>

第三節：

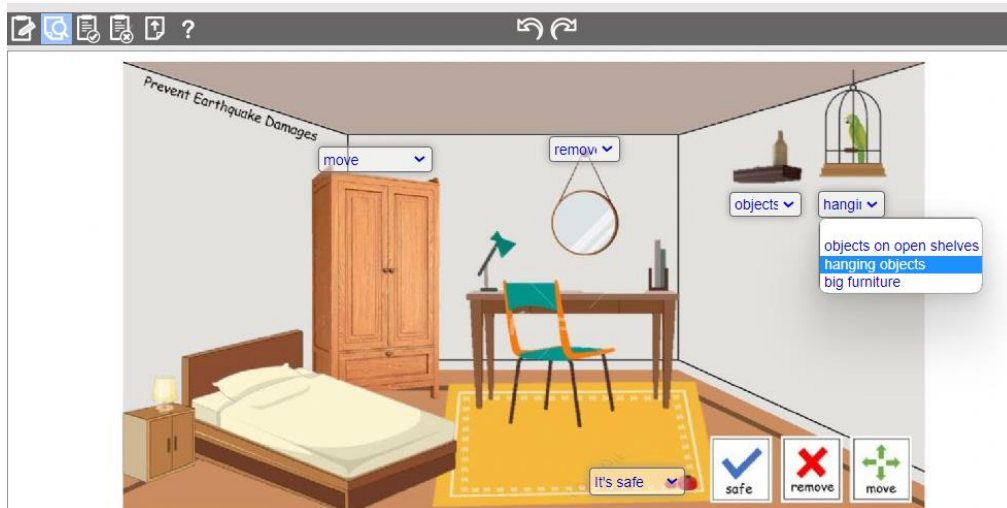
https://docs.google.com/presentation/d/1z7H7nikXbA8O1hkklwi3Xt57-B6H7Tn/edit#slide=id.g25541148dc6_3_0

第四節：

https://docs.google.com/presentation/d/1bbsr2o_TkaiJVbjy-W-AFa5j0JQadeG9/edit#slide=id.g22b07e80e28_0_4

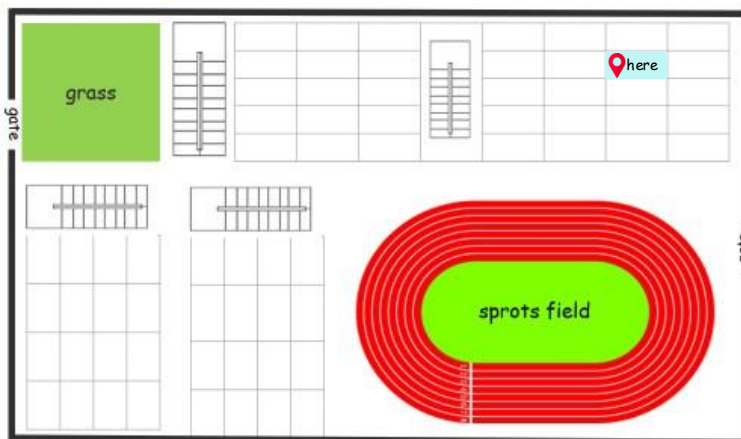
*學習單(使用線上教學工具進行)

第三節：(運用 Live Worksheets)



第四節：(運用 Milanote)

School's Escape Routes



Steps to Earthquake Safety



- First, we should _____.
- Second, we should _____.
- Third, we should _____.
- Fourth, we should _____.
- Fifth, we should _____.



臨震脫逃！

Yes, I can!

What kind of disasters
do you know? 災害



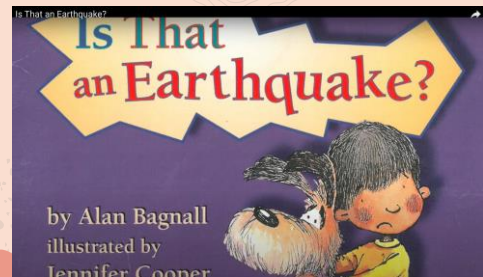
earthquake

地震

Have you ever experienced
an earthquake? 經歷



發生了什麼
What happened when the
earthquake hit?



<https://www.youtube.com/watch?v=TRSyGEvwwT8>

地牛翻身



https://www.youtube.com/watch?v=DR_PQyYMaA0

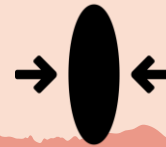
There are many plates.

板塊



What happens
when two plates squeeze?

擠壓



Where do most earthquakes happen?



Seismic belt

地震帶



Where is Taiwan?



Is Taiwan on the seismic belt?

地震帶



Circum-Pacific Seismic Belt

環太平洋
地震帶

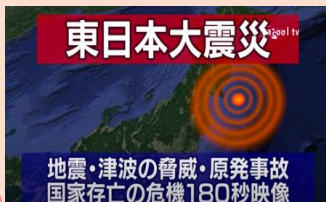
Tainan

台南維冠大樓



Japan

日本311



How do you feel?
Why?

I feel _____.
Because _____.

Why are there many earthquakes in Taiwan?



Why are there many earthquakes in Taiwan?



What may happen after an earthquake hit?

What may happen after an earthquake hit?

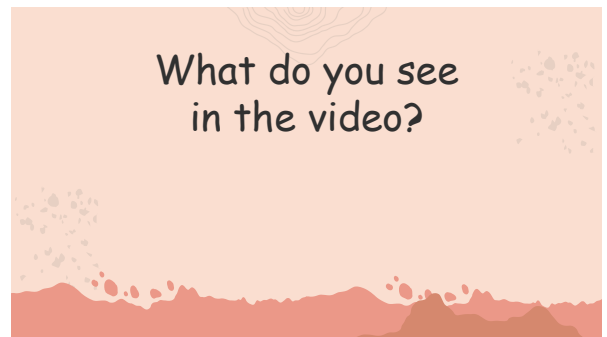


How do you feel about earthquake?

I feel _____.

How to protect ourselves?
保護自己





What do you see
in the video?



How to
protect ourselves?
保護自己



What should we do?

We should _____.



We should drop, cover and hold on.



What should we do?

We should _____.



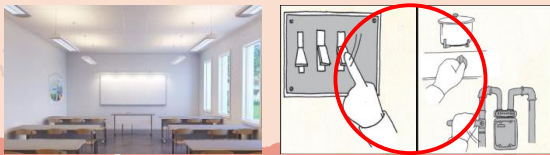
What should we do?

We should _____.



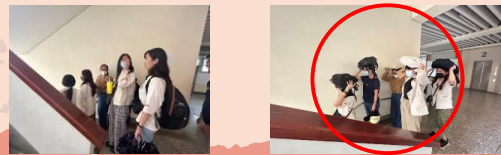
What should we do?

We should _____.



What should we do?

We should _____.



We should stop talking, running and pushing.



What should we do? Why?

We should _____.



What should we do? Why?

We should _____.



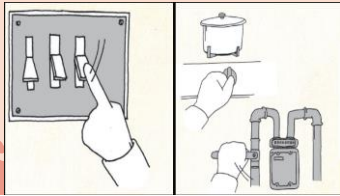
What should we do? Why?

We should _____.



What should we do? Why?

We should _____.



What should we do? Why?

We should _____.



3 Dos

We should _____.



3 Don'ts

We should stop _____.







Let's review!



https://kahoot.it/challenge/09583938?challenge-id=802d6668-7493-4867-9592-c00c3b0bfa00_1687793498562



The objects may fall down and hurt you.

There are some objects on open shelves.

What may happen when an earthquake hits?

The objects may fall down and hurt you.

There are some objects on open shelves.

What may happen when an earthquake hits?

objects on open shelves

I can remove objects on open shelves.

The objects may fall down and break.

There are some hanging objects.

What may happen when an earthquake hits?

hanging objects

I can remove hanging objects.

Big furniture may fall down and break.

There are some hanging objects.

What may happen when an earthquake hits?

big furniture



I can move big furniture away.

How can we prevent earthquake damages?

To prevent earthquake damages,

I can _____.



How can we prevent earthquake damages?

To prevent earthquake damages,

I can remove objects on open shelves.



How can we prevent earthquake damages?

To prevent earthquake damages,

I can remove hanging objects.



How can we prevent earthquake damages?

To prevent earthquake damages,

I can move big furniture away.



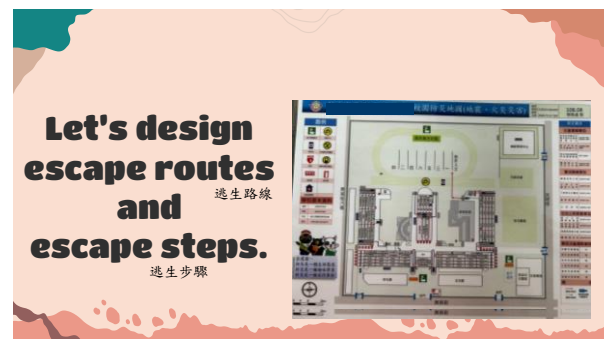
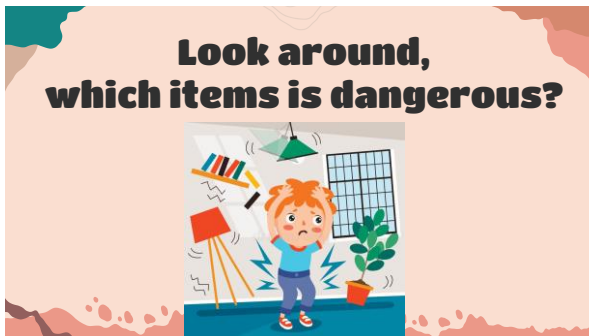
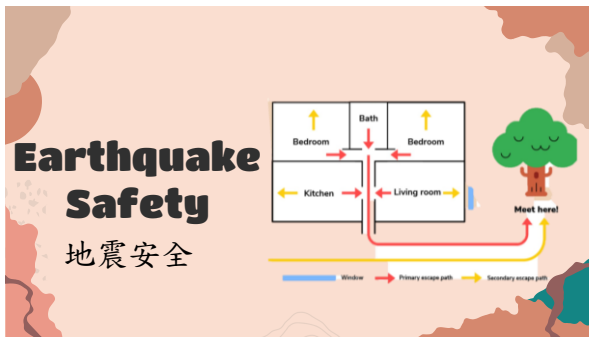
Score:

Name: _____

- How can we prevent earthquake damages?
To prevent earthquake damages, I can...
- Remove objects on open shelves.
 - Remove hanging objects.
 - Move big furniture away.



<https://www.liveworksheets.com/node/7067276>



What do you see?



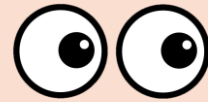
What are the escape routes? 逃生路線



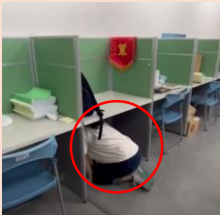
Let's see the video !



What do you see in the video?



First



**drop
Cover
hold on**

Second



**cover
the head**

Third

**turn off
the light**

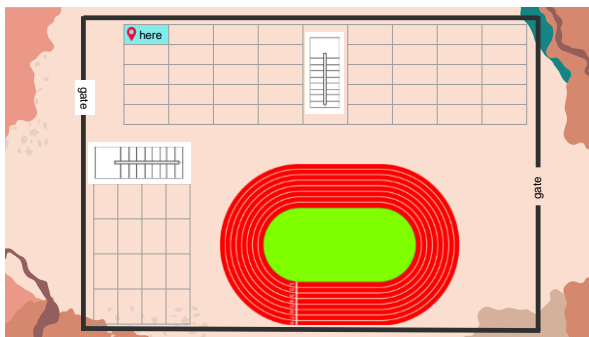
Fourth

**stop
talking**

Fifth

**go to
open
place**

**Design your
escape routes and
escape steps.**



*Steps to
Earthquake Safety*



First, we should _____.
Second, we should _____.
Third, we should _____.
Fourth, we should _____.
Fifth, we should _____.




<https://app.milano.com/1QbXYi1Bvw2k8L?pc=4mfFmdU0YQ>



These are my escape steps.
First, we should _____.
Second, we should _____.
Third, we should _____.
Fourth, we should _____.
Fifth, we should _____.



Seven steps to earthquake safety


Before the earthquake 地震前

- 1 Secure your space**
確認環境安全

- 2 Plan to be safe**
制定安全計畫

- 3 Organize disaster supplies**
準備避難包


Seven steps to earthquake safety



During earthquake 地震中

- 4 3 Dos**
Drop, cover, hold on
臥、掩、穩

- 5 3 Don'ts**
Stop running, talking and pushing
不跑、不說話、不推擠




Seven steps to earthquake safety

After earthquake 地震後

- 6 Improve safety**
確定安全

- 7 Reconnect and restore**
聯繫他人與修補


Personal safety is the most important!



We should take the action and protect yourself!

採取行動



How do you feel when an earthquake hits?



**When an earthquake hits,
we can do
what we have learned!**



**Don't panic, be calm
and take actions!**