

臺北市北投國中 107 學年度第一學期英語領域防災教育議題融入教學教案設計

主 題	What should you do when an earthquake occurs?	設計者	方琪玲
單元名稱	議題融入語文表達課程	授課時間	45 minutes
教學目標	結合時事新聞與生活情境，藉由議題融入英語表達，在課程溝通互動中，養成自主學習習慣，引起社會參與動機。		
分段能力指標	A2—系統思考與解決問題 A3—規劃執行與創新應變 B1—符號運與溝通表達 C2—人際關係與團隊合作		
教學資源	1. 台灣地質知識服務網(Taiwan Geoscience Portal) 2. <i>Living on Shaky Ground: How to Survive Earthquakes and Tsunamis in Oregon.</i>		
評量方式	1. 討論分享 2. 聽力測驗—文章理解(是非選擇)		

教學流程	內容說明	時間	備註
引起動機	歌曲 MV 聆賞 - A Song for you - (Japan Earthquake & Tsunami Song 2011.03.11)—Dominik Petzold 為 2011 年日本 311 地震中的受害者和倖存者創作的非營利募款歌曲。 https://www.youtube.com/watch?v=ZntoRfZWOH8	5 mins	Youtube
發展活動	1. 2018/08/22 地質新聞:美國奧勒岡外海發生規模 6.2 地震，深度僅 10 公里(資料來源：地質調查所) 2. 文本閱讀— What should you do when an earthquake occurs? (資料來源：Portland Bureau of Emergency Management 波特蘭緊急應變管理局)。—閱讀理解策略引導教學，相關字彙片語口說練習，charades (比手畫腳)	1. 5 mins 2.20mins	1. 與台灣重大災難進行背景知識連結。 2. 地震安全守則中英對照理解。
回饋與統整	1. Discussion(分組討論)—What CAN we do before an earthquake hits to better prepare for the worst? 如何盡可能做到防患於未然? 2. 評量— Listening comprehension(聽力問答測驗)	1. 8 mins 2. 7mins	1. 討論結果交流。 2. 聽題目回答是非或選擇題

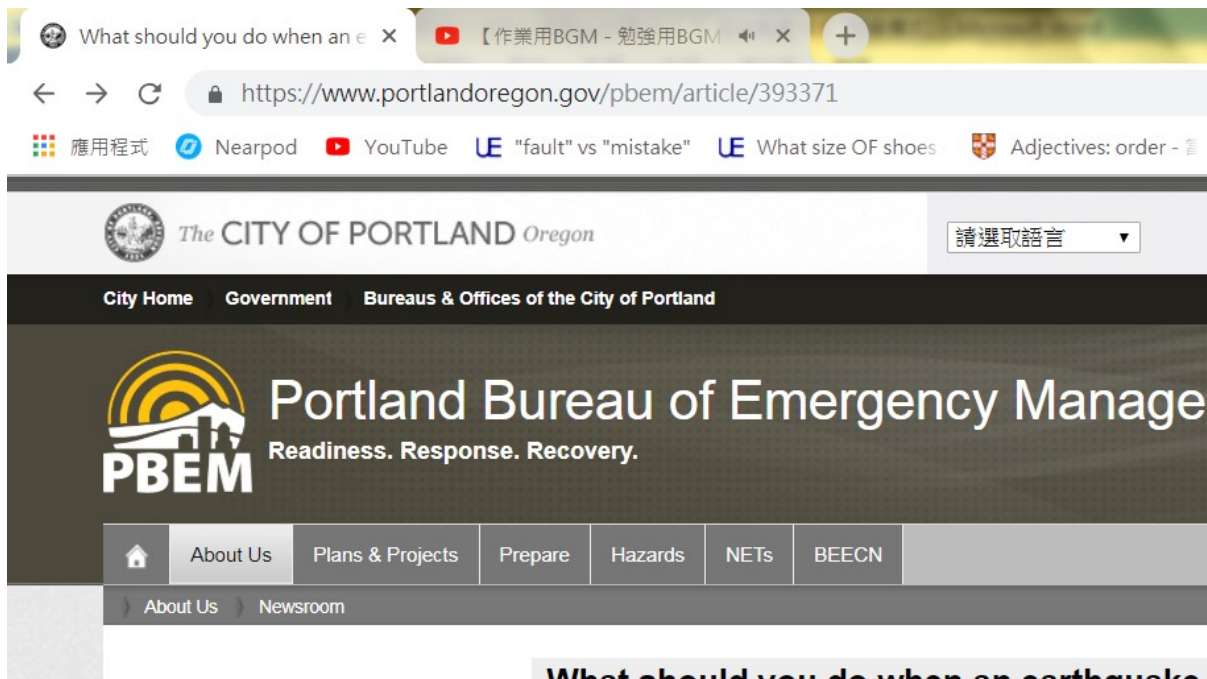
教學資源

1. 台灣地質知識服務網(Taiwan Geoscience Portal)



相關連結: <http://news.ltn.com.tw/news/world/breakingnews/2527742>

2. Living on Shaky Ground: How to Survive Earthquakes and Tsunamis in Oregon.



相關連結: <https://www.portlandoregon.gov/pbem/article/393371>

教材文本

What should you do when an earthquake occurs?

April is earthquake preparedness month in Portland. One of the most important ways to be prepared is to know what to do during and after an earthquake.

During an earthquake you should:

- If you are indoors, **drop and take cover** under a sturdy table or other furniture. **Hold on to it** and **stay put** until the shaking stops.
- **Stay clear of items** that can **fall** and **injure** you, such as windows, fireplaces and heavy furniture.
- **Stay inside**. You may be injured by breaking glass and **falling objects** if you run outside.
- If you are at the **coast**, walk **to higher ground away from the ocean** as soon as it is safe for you to move.
- If you are driving, move your car as far out of the normal traffic pattern as possible and stop if it is safe. **Stay away from structures or objects** that could fall on you, such as **bridges, overpasses, light posts, power lines** or trees. Stay inside your car.
- If you are in the mountains, or near **unstable slopes**, be **alert** for falling rocks, trees or **landslides** that could be loosened by the earthquake.



After an earthquake you should:

- ✚ **Evacuate** if you are in **a tsunami hazard zone**. Walk inland or to higher ground as soon as it is safe to do so. Do not wait for **official notification**. Stay away from the coast until **officials permit** you to return.
- ✚ Check for injuries. Do not move seriously-injured persons unless they are **in immediate danger**.
- ✚ Check for **hazards** such as fires, **gas leaks, downed utility lines** and fallen objects.
- ✚ Clean up any **potentially harmful materials spills**.
- ✚ Expect **aftershocks**. Aftershocks following large earthquakes can be large and damaging.

Source: *Living on Shaky Ground: How to Survive Earthquakes and Tsunamis in Oregon*.

聽力腳本

A. TRUE OR FALSE

1. Stay clear of windows, fireplaces and heavy furniture when an earthquake hits.
2. Aftershocks following large earthquakes can be large and damaging.
3. Gloria and her family live in the mountain, so they don't have to watch out for anything during an earthquake.

B. CHOOSE THE BEST ANSWER

4. If you are in your room during an earthquake, before the shaking stops, you should _____.

(A) run outside as soon as possible

(B) take cover and stay put

(C) check for fires or gas leak

5. Brad and friends are at the beach when an earthquake occurs, they should _____.

(A) stay where they are and hold on to each other

(B) wait for the police to help and get no a bus

(C) wait until it's safe to move and walk to a higher ground

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【附件 4】

聽力答案卷-A

Class: No. Name:

A. TRUE OR FALSE

For 1~3, write down the correct statement if the answer is FALSE.

1. _____ / _____

2. _____ / _____

3. _____ / _____

B. CHOOSE THE BEST ANSWER

4. _____ 5. _____

聽力答案卷-B

Class: No. Name:

A. TRUE OR FALSE

Write down your answers and FILL IN the blanks (填空)

1. _____ Stay _____ windows, fireplaces and heavy furniture when an earthquake hits.

2. _____ A _____ following large earthquakes can be _____ and _____.

3. _____ Gloria and her family live in the mountain, so they don't _____
_____ for anything during an earthquake.

B. CHOOSE THE BEST ANSWER

4. _____ 5. _____

A. TRUE OR FALSE

Write down the keywords you get.

1. _____ / (keyword 關鍵字) _____

2. _____ / _____

3. _____ / _____

B. CHOOSE THE BEST ANSWER

4. _____

(A) run outside as soon as possible

(B) take cover and stay put

(C) check for fires or gas leak

5. _____

(A) stay where they are and hold on to each other

(B) wait for the police to help and get on a bus

(C) wait until it's safe to move and walk to a higher ground