



# 雙語數位教學範例教案



語言別：

英語

教案名稱：A Better World

教育議題：環境教育

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指導老師：洪月女老師

111—112年教育部雙語數位學伴營運中心計畫

## 111-112 年教育部雙語數位學伴營運中心計畫

## 雙語數位教學範例教案

教案作者		吳厝國小：林慈慧老師
主題/單元名稱		A Better World
語言別		<input type="checkbox"/> 本土語雙語 <input checked="" type="checkbox"/> 英語文雙語
年級別		G5 以上
教案節數		共 4 節， 180 分鐘
設計理念		<p>Students can distinguish where they live(country or city) and know the garbage problem in the living world. Students can understand reusing, reducing and recycling by checking what they did and learning to make use of app to record. Hope that students can keep a habit of going green, share the experiences that they had, and become an eco-friendly consumer.</p> <p>Furthermore, students can understand the importance of using reusable food ware and the necessity of keeping it a habit.</p> <p>學生能知道自己的居住地（鄉村或都市），也能知道生活的環境面臨大量垃圾問題。學生透過了解環保 3R，檢視自身能做到環保的行為，並學習用軟體紀錄。更希望透過一段時間的習慣養成，與大家分享落實環保的經驗，並做個對環境友善的聰明消費者。透過課程也能認識環保用具的重要性，以及習慣養成的必要性。</p>
核心素養	總 綱	A2系統思考與解決問題 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。 社-E-A2 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。
議題	學習主題	環境教育：環保與減塑
	實質內涵	環-E15 覺知能資源過度利用會導致環境汙染與資源耗竭的問題。 環-E16 了解物質循環與資源回收利用的原理。
學習重點	學習內容	英/學習階段三/聽/A 語言知識：Ac-III-2 簡易的教室用語。 英/學習階段三/讀/A語言知識：*3-III-7能看懂繪本故事的主要內容。 社/學習階段三/態度及價值：2a-III-1 關注社會、自然、人文環境與生活方式的互動關係。 社/學習階段三/態度及價值：2a-III-1 表達對在地與全球議題的關懷。

	學習表現	<p>英1-III-6能聽懂課堂中所學的字詞。</p> <p>英1-III-7能聽懂簡易的教室用語。</p> <p>英1-III-9能聽懂簡易句型的句子。</p> <p>英1-III-10能聽懂簡易的日常生活對話。</p> <p>社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>社2a-III-2表達對在地與全球議題的關懷。</p>
	學生先備知識	<ol style="list-style-type: none"> <li>1. 知道鄉村與都市提供生活不同所需。</li> <li>2. 察覺日常生活中會製造大量垃圾，且垃圾造成環境汙染。</li> <li>3. 聽過環保三 R (Reuse、Reduce、Recycle) 概念。</li> <li>4. 使用過環保用具或看過生活中店家推廣環保的作法。</li> <li>5. 有過購物經驗，也曾做資源回收的經驗。</li> </ol>
	核心目標	<ol style="list-style-type: none"> <li>1. 學生能分辨自己居住在鄉村或都市。</li> <li>2. 學生能歸納生活環境所面臨的垃圾問題與環保減塑的重要性。</li> <li>3. 學生能落實並分享環保減塑經驗並學習做出對環境友善的購物選擇。</li> <li>4. 學生能知道環保用具的重要性與養成習慣的必要性。</li> </ol>
教學設備/資源		<p><b>【Session1】</b>  《Canva 簡報》  <a href="https://www.canva.com/design/DAFQ40A0Ak4/phBEj2LwVFePxUMozG6MQQ/view?utm_content=DAFQ40A0Ak4&amp;utm_campaign=designshare&amp;utm_medium=link&amp;utm_source=publishpresent">https://www.canva.com/design/DAFQ40A0Ak4/phBEj2LwVFePxUMozG6MQQ/view?utm_content=DAFQ40A0Ak4&amp;utm_campaign=designshare&amp;utm_medium=link&amp;utm_source=publishpresent</a></p> <p>《YT 影片：The country and the city》  <a href="https://www.youtube.com/watch?v=gjLmjKL4HQM">https://www.youtube.com/watch?v=gjLmjKL4HQM</a></p> <p><b>【Session2】</b>  《Canva 簡報》  <a href="https://www.canva.com/design/DAFRMrkJknc/WVrFAbI8gPKjkTMjG6Thrw/view?utm_content=DAFRMrkJknc&amp;utm_campaign=designshare&amp;utm_medium=link&amp;utm_source=publishpresent">https://www.canva.com/design/DAFRMrkJknc/WVrFAbI8gPKjkTMjG6Thrw/view?utm_content=DAFRMrkJknc&amp;utm_campaign=designshare&amp;utm_medium=link&amp;utm_source=publishpresent</a></p> <p>《BookFlix 繪本：Our Earth Making Less Trash》  路徑：&lt;課程專區&gt; → &lt;閱讀&gt; → &lt;Scholastic Bookflix 專區&gt; → &lt;Family and Community&gt; → &lt;Our Earth Making Less Trash&gt;</p> <div data-bbox="708 1440 1145 1742" data-label="Image"> </div> <p><b>【Session3】</b>  《Canva 簡報》  <a href="https://www.canva.com/design/DAFRM9e5WFg/_H5yLeGEPey8E6jxL1HkwA/view?utm_content=DAFRM9e5WFg&amp;utm_campaign=designshare&amp;utm_medium=link&amp;utm_source=publishpresent">https://www.canva.com/design/DAFRM9e5WFg/_H5yLeGEPey8E6jxL1HkwA/view?utm_content=DAFRM9e5WFg&amp;utm_campaign=designshare&amp;utm_medium=link&amp;utm_source=publishpresent</a></p> <p>《Quiz》  <a href="https://www.tinytap.com/activities/g32nr/play/reduce-reuse-and-recycle-kinder">https://www.tinytap.com/activities/g32nr/play/reduce-reuse-and-recycle-kinder</a></p> <p>《YT 影片：How to Take Care of the Environment》 33 秒~2 分 57 秒  <a href="https://www.youtube.com/watch?v=belXC_IoW4o&amp;t=65s">https://www.youtube.com/watch?v=belXC_IoW4o&amp;t=65s</a></p>





**【Session4】**

《Canva 簡報》

[https://www.canva.com/design/DAFRNIX-tdQ/oXsSgXyykteA2hAXaCxrVA/view?utm\\_content=DAFRNIX-tdQ&utm\\_campaign=designshare&utm\\_medium=link&utm\\_source=publishpresent](https://www.canva.com/design/DAFRNIX-tdQ/oXsSgXyykteA2hAXaCxrVA/view?utm_content=DAFRNIX-tdQ&utm_campaign=designshare&utm_medium=link&utm_source=publishpresent)

Padlet : Cool Inventions》

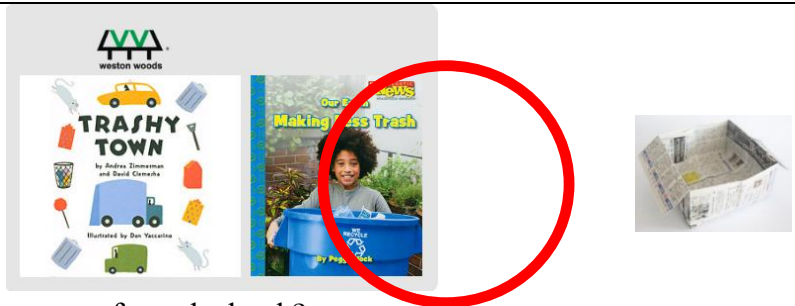
<https://padlet.com/jaycebe0303/lx2ffhwa48tpu11h>

教學活動設計		
節次規劃說明	1 認識鄉村與都市： (C) 分辨自己居住地 (L) 用英文說出自己住在鄉村或都市 2 了解垃圾問題： (C) 能使用軟體紀錄 (L) 認識環保 3R 3 分享環保經驗與聰明購物： (C) 能在購物時做出有利環境的選擇 (L) 用英文說出選擇的理由 4 養成環保習慣： (C) 認識環保用具 (L) 用英文說出自己如何養成習慣	
第一節		
學習目標	1-1 能分辨鄉村與都市的不同。 1-2 能說出自己住在鄉村或都市。 I live <u>in/near the country/city</u> .	
教學活動內容及實施方式	時間	對應目標之評量
▶ 準備活動：先介紹 Teams 基本常用功能，並帶入繪本介紹「Country」與「City」。 ▶ 發展活動：與學生討論鄉村與都市的景觀差異，老師帶入 in 及 near 的用法。 ▶ 綜合活動：老師與學生分別用 Google map 介紹自己家附近，並說出自己居住在「Country」或「City」。	10'	
<b>【準備活動 Warm Up】— 引起動機</b> T: Hello, everyone! Before the class, let me show you how to use TEAMS. <ul style="list-style-type: none"> <li>◆ The button( Raise up) means “I have a question.”</li> <li>◆ The button( Microphone) means “I want to speak.”</li> <li>◆ The button( Chat box) means “I want to share with words.”</li> <li>◆ The button( Screen) means “I can share my screen to everyone.”</li> </ul> Now, it's your turn to try! S: (老師依序請學生練習使用)		
<b>【發展活動 Activity】</b> T: Well done! Today, we talk about “where we live”. Let's watch a video first! <b>《YT 影片：The country and the city》</b> <a href="https://www.youtube.com/watch?v=gjLmjKL4HQM">https://www.youtube.com/watch?v=gjLmjKL4HQM</a>  <教師使用 Canva 簡報進行教學活動> <a href="https://www.canva.com/design/DAFQ40A0Ak4/phBEj2LwVFePxUMozG6MQQ/view?utm_content=DAFQ40A0Ak4&amp;utm_campaign=designshare&amp;utm_medium=link&amp;utm_source=publishpresent">https://www.canva.com/design/DAFQ40A0Ak4/phBEj2LwVFePxUMozG6MQQ/view?utm_content=DAFQ40A0Ak4&amp;utm_campaign=designshare&amp;utm_medium=link&amp;utm_source=publishpresent</a>	20'	

<p>T : What do you see in the <u>country</u>?</p> <p>S : (學生用中文或英文說出)</p> <p>T : I see many <u>animals</u> in the <u>country</u>. I live in the country.</p> <p>T : What do you see in the <u>country</u>?</p> <p>S : (學生用中文或英文說出)</p> <p>T : I see many <u>trees</u> in the <u>country</u>. I live in the country.</p> <p>T : What do you see in the <u>country</u>?</p> <p>S : (學生用中文或英文說出)</p> <p>T : I see many <u>farmlands</u> in the <u>country</u>. I live in the country.</p> <p>T : What do you see in the <u>city</u>?</p> <p>S : (學生用中文或英文說出)</p> <p>T : I see many <u>cars</u> in the <u>country</u>.</p> <p>T : What do you see in the <u>city</u>?</p> <p>S : (學生用中文或英文說出)</p> <p>T : I see many <u>stores</u> in the <u>country</u>.</p> <p>T : What do you see in the <u>city</u>?</p> <p>S : (學生用中文或英文說出)</p> <p>T : I see many <u>people</u> in the <u>country</u>.</p> <p>&lt;帶入 in/near&gt;</p> <p>T : ①I live in the city. I live in the country. ②I live near the city. I live near the country Where do you live, country or city?</p> <p>T : I live in the <u>city</u>. Where do you live?</p> <p>S : I live in the <u>country</u>. (教師引導學生用英文說出) I live near the <u>city</u>.</p> <p>T : What do you see <u>in the city</u>?</p> <p>S : (學生用中文或英文說出看到的景物)</p> <p>T : I see many ____ <u>in/near the country</u>. (教師引導學生用英文說出) I see many ____ <u>in/near the city</u>. (教師引導學生用英文說出)</p> <p>T : Great Job! Now, let me show you my screen.</p> <p><b>【綜合活動 Wrap Up】</b></p> <p>T : This is my home. (Google map 開老師家附近的景觀) I live near the <u>country</u>. I see many ____ <u>in the country</u>. Now, it's your turn.</p> <p>S : (學生開 Google Map 分享自己家附近)</p>	15'	1-1 Google Map
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T : What do you see from the book?

S : (學生用中文或英文說出)

T : Well done!

T : We do 3Rs, 3Rs, Reuse, Reduce and Recycle!

Now, let's have a brainstorm!

Here are some paper, glass and plastic.

How to reuse, reduce and recycle them?

I go first!

I can [reuse the paper](#).

It's your turn! You have 5 minutes to think of it, ready go!

T : (5 分鐘後) Time is up, what can you do with this?

(教師依序請學生分享)

S : I can [recycle the glass](#).

I can [reuse the paper](#).

I can [reduce the plastic](#).

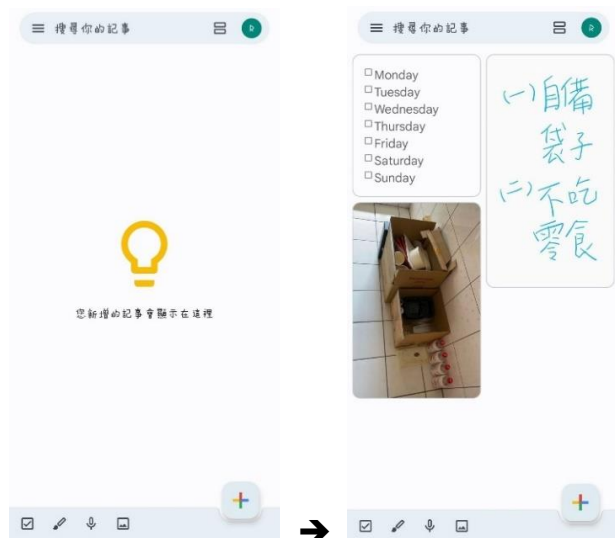
### 【綜合活動 Wrap Up】

T : You're doing great!

Please download the app "Google Keep".

You can type, write, recording or take a picture to record every day.

Let's start to make our world better!



We will share with each other next time! The classes for today are done! See you next time!

20' 2-1 實作評量



第三節

學習目標

- 3-1 能分享實際落實環保的經驗。  
 3-2 能說出較環保的購物選擇。I/We choose to \_\_\_\_\_.  
 She/he chooses to \_\_\_\_\_.

教學活動內容及實施方式

時間

對應目標之評量

- 準備活動：用遊戲測驗學生對上一次課程環保 3R 的學習內容。
- 發展活動：請學生分享上次使用 Google Keep 軟體紀錄的環保行為，並試著用英文發表理由。
- 綜合活動：讓學生當個聰明消費者，學習在購物時當個聰明的環保消費者。

【準備活動 Warm Up】－複習舊經驗

<教師使用 Canva 簡報進行教學活動>

[https://www.canva.com/design/DAFRM9e5WFg/\\_H5yLeGEpEy8E6jxL1HkwA/view?utm\\_content=DAFRM9e5WFg&utm\\_campaign=designshare&utm\\_medium=link&utm\\_source=publishpresent](https://www.canva.com/design/DAFRM9e5WFg/_H5yLeGEpEy8E6jxL1HkwA/view?utm_content=DAFRM9e5WFg&utm_campaign=designshare&utm_medium=link&utm_source=publishpresent)

T : Hello, it's been a long time.

Did you remember what we learned last time?

Before the class, let's have a quiz for everyone.

(老師先測驗一題給學生看)

Quiz :

<https://www.tinytap.com/activities/g32nr/play/reduce-reuse-and-recycle-kinder>

S : (教師點學生輪流完成遊戲測驗)

T : Good jobs!

【發展活動 Activity】

T : Remember there's a task for you?

I will share my better week for the first one.

T : (開 Canva 教學簡報)

Monday, Monday, I reuse my bottle.

Tuesday, Tuesday, I reuse my bag.

Wednesday, Wednesday, I recycle a box.

Thursday, Thursday, I reduce the food package.

Friday, Friday, I reuse my mug.

Saturday, Saturday, I reduce the food package.

Sunday, Sunday, I reuse the bowl.

(教師點學生輪流分享上週環保任務紀錄)

T : Brilliant! All of you doing great!

Next, Let's see what else we can do!

《YT 影片：How to Take Care of the Environment》 33 秒~2 分 57 秒

[https://www.youtube.com/watch?v=belXC\\_IoW4o&t=65s](https://www.youtube.com/watch?v=belXC_IoW4o&t=65s)

10'

3-1 遊戲評量

25'

<p>T : What does she do with the bottles ? She chooses to _____.</p> <p>S : (學生用中文或英文說出)。</p> <p>T : <u>She chooses to reuse plastic.</u></p> <p>S : (Repeat)</p> <p>T : What do they do with old clothes?</p> <p>S : 把衣服捐給有需要的人。</p> <p>T : <u>They choose to recycle clothes.</u></p> <p>S : (Repeat)</p> <p>T : What do they do when they are thirsty?</p> <p>S : 自己帶水壺。</p> <p>T : <u>They choose to reduce plastic.</u> <u>They choose to reuse the bottles.</u></p> <p>S : (Repeat)</p> <p>T : What do we do when we go shopping?</p> <p>S : 自己帶袋子。</p> <p>T : <u>We choose reuse the bag.</u></p> <p>S : (Repeat)</p> <p><b>【綜合活動 Wrap Up】</b></p> <p>T : Here is some work for you. Let's figure it out how to make a smart choice! The topics are buying food, drink, clothes, toys and learning. I am first to show you. 《Food》</p> <div data-bbox="228 1317 758 1608" data-label="Image"> </div> <p>T : <u>I choose to buy box package.</u></p> <p>T : You have 5 minutes to think of it. Time's up! Let' share with each other!</p> <p>S : (教師點學生依序回答)</p> <p>T : Fantastic!</p>	10'	3-1 遊戲評量
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第四節

學習目標	<p>4-1 能知道環保的重要性並養成習慣。 Before we go out, we should bring _____.</p> <p>4-2 能透過資料了解環保意識與環保的創意發想並分享自己的想法。 It's cool/useful/good for the world!</p>
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	時間	對應目標之評量
<p>I like _____. It can reduce/reuse/recycle.</p> <p>教學活動內容及實施方式</p> <p>➤ 準備活動：複習怎麼選擇才能有效「減少垃圾」的方法。  ➤ 發展活動：認識常見的環保用具，並測驗。  ➤ 綜合活動：提供當代環保創意發想知產品，並請學生閱讀資料後簡單分享，最後提出自己的想法。</p> <hr/> <p><b>【準備活動 Warm Up】—複習舊經驗</b>  T : All of us are smart shoppers now!  But protecting our world is important for a long long time.  Not just for today or tomorrow.</p> <p><b>【發展活動 Activity】</b>  &lt;教師使用 Canva 簡報進行教學活動&gt;  <a href="https://www.canva.com/design/DAFRNIX-tdQ/oXsSgXyykteA2hAXaCxrVA/view?utm_content=DAFRNIX-tdQ&amp;utm_campaign=designshare&amp;utm_medium=link&amp;utm_source=publishpresent">https://www.canva.com/design/DAFRNIX-tdQ/oXsSgXyykteA2hAXaCxrVA/view?utm_content=DAFRNIX-tdQ&amp;utm_campaign=designshare&amp;utm_medium=link&amp;utm_source=publishpresent</a></p> <p>T : Here are some words, let's take a look!  reusable bag、reusable foodware、reusable cup sleeve、lunch box、stainless steel/glass straw</p> <p>T : Do you have _____ at home?  S : Yes/No.  T : Before we go out, we should bring _____.  S : (學生練習回答)</p> <p>T : Now, it's quiz time! (教師用 Wordwall 測驗學生)</p> <p><b>【綜合活動 Wrap Up】</b>  T : Next, I am going to show you some cool inventions.  Let's take a look at the padlet!  《Padlet : Cool Inventions》  <a href="https://padlet.com/jaycebe0303/lx2ffhwa48tpu11h">https://padlet.com/jaycebe0303/lx2ffhwa48tpu11h</a></p> <p>T : Here are two cool inventions good for the environment.  They are “Edible coffee cups” and “Invisible bags”.  Please choose an invention and introduce for us later.  Please take a look for 5 minutes first.  Time's up!  (分享時可參考 padlet 右邊範例)</p> <p>S1 : Hello, I am OOO.  It's a cup.</p>	<p>2'</p> <p>18'</p> <p>20'</p>	<p>4-1 wordwall</p> <p>4-2 padlet</p>

<p>You can eat. It's good for the world!</p> <p>S2 : Hello, I am OOO. It's a bag. You can reduce. It's useful for the world!</p> <p>S3 : (自行回答) S4 : (自行回答)</p> <p>T : Thank you for the sharing! Now, I am very curious about your thought. Please share with us. 我很想知道你們怎麼想的，可以用 padlet 右方參考句子分享。</p> <p>S1 : I like invisible bags. It can reduce the plastic bags.</p> <p>S2 : (自行回答) S3 : (自行回答) S4 : (自行回答)</p> <p>T : You impressed me! Today's class is awesome! Let's make a better world! Let's make our world better! See you soon!</p>		
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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	單字與句型都能聽懂並做出正確的回應。	單字與句型，能聽懂，但回應時偶有錯誤。	能聽懂單字及部分句型，但表達句子時多數有誤。	單字與句型，完全聽不懂，且無法做出正確的回應。
落實環保 3R	每天紀錄環保 3R 的落實情形。	常常紀錄環保 3R 的落實情形。	偶爾紀錄環保 3R 的落實情形。	沒有紀錄環保 3R 的落實情形。
活動參與程度	積極回應，主動對每個問題提出解決方案。	老師引導後，能對每個問題提出解決方案。	老師引導後，能對部分問題提出解決方案。	老師引導後，還是無法對每個問題提出解決方案。

附件：教學簡報、學習單