

110 學年度生活課程雙語教學教案(單元四)

1、課程架構

單元名稱	學習目標	學習內容 (含教學單元和教學主題)	學科英語單字/句型
四、環保達人	<ol style="list-style-type: none"> 1. 覺察垃圾量太多對自己和環境的影響 2. 發現並認識資源回收圖案。 3. 積極參與討論如何分類回收及回收前該如何處理。 4. 探索減少垃圾空間的方法及發現回收資源在生活中如何再利用。 	一 回收行不行 二 分類小達人 三 神奇變身術	Vocabulary : trash, recyclable, glass, plastic, paper, metal, food waste, reduce, reuse, recycle Sentence pattern: Wash it. Cut a corner. Take this off and make it flat. Which bin does it go to? It's recyclable. /It's not recyclable. What do you make with the <u>milk carton</u> ?

2、單元設計

(一)單元架構

單元名稱	單元主題	單元活動
環保達人	一、回收行不行	我會辨認可以或不可以回收物品
	二、分類小達人	我會辨認不同回收的標誌及能夠進行不同回收物品的分類
	三、神奇變身術	我會發現回收資源在生活中如何再利用。

4-1 回收行不行	4-2 分類小達人
 	 
孩子討論回收前對各類回收物的處理	介紹回收物品的標誌，全班進行回收分類
 	 
將回收前處理的方式編歌詞入垃圾車旋律	教師一一確認回饋 引導運用回收物

(二)(每個單元)教學設計/教案

單元名稱	環保達人	教學設計者	文湘娥、鐘筱嵐、謝依倩	
學習對象	二年級下學期	學習節次	三節課 (120 分鐘)	
學習內容	A-I-2 事物變化現象的觀察。 C-I-3 探究生活事物的方法與技能。 D-I-1 自我與他人關係的認識。			
學習表現	2-I-3 探索生活中的人、事、物並體會彼此之間會相互影響。 2-I-5 運用各種探究事物的方法及技能，對訊息做適切的處理，並可以自己發揮想像力動手做。 4-I-1 利用各種生活的媒介與素材進行表現與創作，喚起豐富的想像力。 6-I-4 關懷生活中的人、事、物願意提供協助與服務。			
學習目標	1.覺察垃圾量太多對自己和環境的影響 2.發現並認識資源回收圖案。 3.積極參與討論如何分類回收及回收前該如何處理。 4.探索減少垃圾空間的方法，及能再利用生活中的回收資源製作物品。			
教學方法	口頭提問、討論教學法、分組合作學習			
教學資源	●教學 ppt。 ●回收物品。			
學科英語詞彙	Vocabulary: trash, recyclable, glass, plastic, paper, metal, food waste, , reduce, reuse, recycle			
學科英語句型 (視教材內容)	Sentence patterns: Wash it. Cut a corner. Take this off and make it flat. Which bin does it go to? It's recyclable./It's not recyclable. What do you make with the <u>milk carton</u> ?			
教學主題一: 環保達人			教學資源	評量
活動一 回收行不行 一、引起動機：(5’) 教師秀出不同圖片，詢問學生的感受 T: Look here! What's this? Ss: It's a mountain! T: Isn't it beautiful? But look again! What's this? Ss: ... T: It's a mountain too, but it's a trash mountain. Where's this mountain? Do you know? Ss:... T: Hahaha! It's in Douliu. Look again! Which mountain do you like? Ss:...			ppt	態度 檢核 參與 討論

<p>T: Me, too. What can we do to make the mountain beautiful? Ss:...</p> <p>T: That's right! Less trash makes the mountain beautiful. But how do we have less trash? Ss:..</p> <p>T: Bingo! Recycle!</p> <p>二 發展活動 : (30')</p> <p>(一)教師請學生辨別可回收及不可回收的物品。</p> <p>T: What do I have here? (教師拿出一桶廢棄物) Ss: ...</p> <p>T: Look here! Is this/Are these recyclable? Ss: Recyclable!/Not recyclable! (重複詢問不同的物品)</p> <p>(二) Baamboozle game</p> <p>T: It's Baamboozle time! Recyclable or not recyclable? Let's play a game! We have three groups. Look at the pictures! Tell me it's/they're recyclable or not. (https://www.baamboozle.com/game/961496) (分組進行可回收及不可回收的分類遊戲)</p> <p>(三) 教師請學生說出回收前該如何處理。</p> <p>T: I'm thirsty. Let me get something to drink! (教師喝完杯中飲料) Look here! I'm done. Is it recyclable or not recyclable ? Ss: Recyclable!</p> <p>T: (教師假裝將空飲料杯直接丟到上面有標誌的回收桶) Okay or not okay? Ss: Not okay! T: Why not? Ss:...</p> <p>T: Oh! Yes! Wash the cup before recycling. What about other recyclable things? What do we do before recycling? Do you know? Ss: Yes!</p> <p>T: Okay! Show me! Every group has two recyclable things. Talk about what you do before recycling. (每組取得兩個可回收的物品，討論回收前該如何處理)</p> <p>準備物品: 有包裝外膜的寶特瓶，面紙盒，封膜飲料杯，有膠帶的咖啡杯，有蓋塑膠杯，有書套的書，鋁箔包，鮮奶紙盒，紙餐盒，塑膠餐盒，釘起來的紙，有膠帶的紙箱</p> <p>T: Are you ready? Ss: Yes!</p> <p>T: Which group has the paper? Come here and show us! What do you do before recycling? Ss:...</p> <p>T: Yes, take it off. Thank you, Group 1.</p>	<p>一桶物品 ppt</p> <p>未喝完的咖啡杯</p> <p>各種回收物品</p>	<p>態度檢核參與討論</p> <p>課堂參與態度檢核</p> <p>專心聆聽口語評量參與態度</p>
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<p>T: Which group has the book? Come here and show us! What do you do before recycling? Ss:...</p> <p>T: Yes! Take it off. Thank you, Group 1.</p> <p>T: Let's sing a special song! 只有在台灣才有的垃圾車主題曲，還是世界名曲喔!</p> <p>Paper, book, take it off and take it off. Recyclable! Recyclable! (repeat 2 times)</p> <p>T: Which group has the paper lunch box? Come here and show us! What do you do before recycling? Ss:...</p> <p>T: Yes, wash it. Thank you, Group 1.</p> <p>T: Let's sing our special song again! 只有在台灣才有的垃圾車主題曲，世界名曲!</p> <p>Wash it, wash it for the paper lunch box. Recyclable! Recyclable! (repeat 2 times)</p> <p>T: Which group has the bottle? Come here and show us! What do you do before recycling? Ss:...</p> <p>T: Yes! Wash it! Take it off and make it flat. You can use your hand or your feet. Thank you, Group 1.</p> <p>T: Which group has the tissue paper box? Come here and show us! What do you do before recycling? Ss:...</p> <p>T: Yes! Take it off and make it flat. Thank you, Group 1.</p> <p>T: Which group has this drink cup? Come here and show us! What do you do before recycling? Ss:...</p> <p>T: Yes! Wash it! Take it off. Thank you, Group 1.</p> <p>T: Which group has this coffee cup and this drink cup? Come here and show us! What do you do before recycling? Ss:...</p> <p>T: Yes! Take it off and wash it. Thank you, Group 1.</p> <p>T: Which group has the plastic lunch box? Come here and show us! What do you do before recycling? Ss:...</p> <p>T: Yes! Wash it and make it flat. Thank you, Group 1.</p> <p>T: Which group has the carton? Come here and show us! What do you do before recycling? Ss:...</p> <p>T: Yes! Take it off and make it flat. Thank you, Group 1.</p> <p>T: Which group has the juice box? Come here and show us! What do you do before recycling? Ss:...</p>		<p>態度 檢核</p>
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<p>T: Yes! Cut a corner. Wash it and make it flat. Thank you, Group 1.</p> <p>T: Which group has the milk carton? Come here and show us! What do you do before recycling?</p> <p>Ss:...</p> <p>T: Yes! Open. Wash it and make it flat. Thank you, Group 1.</p> <p>三 綜合活動：(5')</p> <p>老師教唱利用垃圾車的音樂改編的歌曲。</p> <p>T: Let's sing our special song again!</p> <p>Wash it! Wash it! Take it off and make it flat! Recyclable! Recyclable!</p> <p>Wash it! Wash it! Take it off and make it flat! Recyclable! Recyclable!</p> <p>[總結性-口語評量]：檢視學生是否能聽懂 recyclable?及能分辨可回收或不可回收的物品。且能跟著旋律吟唱利用垃圾車的音樂改編的歌曲。</p> <p>[對應學習目標]：</p> <ol style="list-style-type: none"> 1.覺察垃圾量太多對自己和環境的影響 2.分辨可回收物品。 3.積極參與討論回收前該做哪些處理工作。 <p>～～第1節結束～～</p> <p>活動二 分類小達人</p>	ppt	課堂參與
<p>一、引起動機：(5'')</p> <p>老師引導學生上次唱利用垃圾車的音樂改編的歌曲。</p> <p>T: Look here! Recyclable or not? (老師拿出寶特瓶)</p> <p>Ss: Recyclable!</p> <p>T: What do we do before recycling?</p> <p>Ss:...</p> <p>T: Let's sing our special song!</p> <p>Wash it! Wash it! Take it off and make it flat! Recyclable! Recyclable!</p> <p>Wash it! Wash it! Take it off and make it flat! Recyclable! Recyclable!</p> <p>二 發展活動：(30')</p> <p>(一) 教師介紹各種回收物品的標誌(glass, plastic, paper, metal, food waste)</p> <p>T: Look here! There are five bins. This one is for glass. Recyclable! Say it together! Glass! Recyclable! (教師指著圖片一一介紹)</p> <p>Ss: Glass! Recyclable!</p> <p>T: Look here! This one is for plastic. Recyclable! Say it together! Plastic! Recyclable! (教師指著圖片一一介紹)</p> <p>Ss: Plastic! Recyclable!</p> <p>T: Look here! This one is for paper. Recyclable! Say it together! Paper! Recyclable! (教師指著圖片一一介紹)</p> <p>Ss: Paper! Recyclable!</p> <p>T: Look here! This one is for metal. Recyclable! Say it together! Metal!</p>	寶特瓶 ppt	態度 檢核 課堂 參與

<p>Recyclable! (教師指著圖片一一介紹) Ss: Metal! Recyclable! T: Look here! This one is for food waste. Say it together! Food waste! Recyclable! (教師指著圖片一一介紹) Ss: Food waste! Recyclable!</p>		
<p>(二) 教師引導學生做分類示範</p> <p>T: Here are five boards: one for glass, one for plastic, one for paper, one for metal, and one for food waste. (教師將 5 個小白板，上面有不同類別的回收桶圖片，放置在教室的五個角落)</p> <p>T: Here are some pictures. Every group has eight pictures. (教師發下小圖片給各組，每張圖片代表一種回收物品) Which bins do they go to? Talk and put the pictures on the right board! (各組討論並且將回收物品的圖片放到的正確的回收桶小白板上)</p> <p>T: Are you done? Let's take a look! (教師收回小白板並且帶領全班學生檢視各組的分類狀況) In the glass bin, we have... (教師將小白板上的圖片秀給學生看，如果分類錯誤，教師可以提出問題)</p> <p>T: Does this go to the glass bin? Ss: No! T: Which bin does it go to? Ss:...</p> <p>(教師重複相同步驟於各個類別的回收桶)</p>	<p>圖片 小白板</p>	<p>態度 檢核 課堂 參與 口語 評量</p>
<p>(三) 教師介紹 3R。</p> <p>T: Do you remember this picture? (教師秀出垃圾山圖片) Is this a beautiful mountain? Ss: No! T: Can we make the mountain beautiful? Ss: Yes! T: How? Ss:...</p> <p>T: Yes! We can reduce trash. And we can recycle whatever we can recycle. And what can we do after recycling? Ss:...</p> <p>T: We can reuse the recyclable things.</p>	<p>ppt</p>	<p>態度 檢核 課堂 參與</p>
<p>(四) 教師請學生思考如何把回收物品再運用 (教師準備: 廣告紙，面紙盒，牛奶盒，紙杯/飲料杯，寶特瓶，紙袋，罐頭/塑膠瓶等等物品)</p> <p>T: Look here! Are they recyclable? Ss: Yes! T: Look! Teacher Karen is a magician now. She can change the recyclable paper into a box.</p>	<p>ppt 四種 回收 種類 圖片</p>	<p>專心 聆聽 態度 檢核 課堂 參與</p>

<p>Ss: Wow!</p> <p>T: It's your turn. You are the magician now! 把這些回收物品大變身!</p> <p>One group has one recyclable thing and a board. (每一組拿小白板跟一種回收物品) Draw your idea on the board.</p> <p>T: Are you done?</p> <p>Ss: Yes!</p> <p>T: Group 1. Show us your picture. What do you make with the <u>milk carton</u>?</p> <p>Ss: We make a/an ...</p> <p>T: Good job! Next group!</p> <p>(其他組別輪流上台分享)</p>	ppt	專心 聆聽 態度 檢核
<p>三 綜合活動：(5')</p> <p>老師教唱利用垃圾車的音樂改編的歌曲。</p> <p>T: Let's sing our special song again but something is different!</p> <p>Plastic, paper, glass, and metal. Food waste, recyclable!</p> <p>Plastic, paper, glass, and metal. Food waste, recyclable!</p> <p>[總結性-口語評量]：檢視學生是否能聽懂 Which bin does it go to?及能分類不同廢棄物的回收種類。且能跟著旋律吟唱利用垃圾車的音樂改編的歌曲。</p> <p>[對應學習目標]：</p> <ol style="list-style-type: none"> 1.覺察垃圾量太多對自己和環境的影響 2.發現並認識資源回收圖案。 3.積極參與討論如何分類垃圾。 <p>～～第2節結束～～</p>	ppt	課堂 參與 專心 聆聽 態度 檢核
<p>活動三 神奇變身術</p> <p>一、引起動機：(5")</p> <p>(一)老師複習利用垃圾車的音樂改編的歌曲。</p> <p>T: Look at this picture! Which bin is this?</p> <p>Ss: Plastic bin!</p> <p>T: Look at this picture! Which bin is this?</p> <p>Ss: Paper bin!</p> <p>T: Look at this picture! Which bin is this?</p> <p>Ss: Glass bin!</p> <p>T: Look at this picture! Which bin is this?</p> <p>Ss: Metal bin!</p> <p>T: Do you remember our special song? Let's sing it again.</p> <p>Plastic, paper, glass, and metal. Food waste, recyclable!</p> <p>Plastic, paper, glass, and metal. Food waste, recyclable!</p> <p>(二) 老師利用 Baamboozle game 複習回收分類</p> <p>T: It's Baamboozle time! Where do these things go? Group <u>1</u>, A, B, C, or D? (教師將學生分成三組回答)</p>	回收 物品 製作 的樂 器與 玩具	課堂 參與 態度 檢核

<p>https://www.baamboozle.com/game/936213</p> <p>Ss: A! Glass!</p> <p>(引導各個組別進行 Baamboozle 遊戲，將廢棄物分類。每組進行五次回答，第一次全組回答，後來的次數由小組派不同代表個別回答，教師公布最高分組別並給予鼓勵)</p> <p>二 發展活動：(30')</p> <p>(一) 學生分享再利用以及應用回收物所製作的成品。</p> <p>T: Do you remember 3 R's?</p> <p>Ss: Yes!</p> <p>T: The first R is for ...</p> <p>Ss: Reduce.</p> <p>T: Good job! The second R is for ...</p> <p>Ss: Recycle.</p> <p>T: Good job! The third R is for ...</p> <p>Ss: Reuse.</p> <p>T: Good job! How can we reuse things?</p> <p>Ss: ...</p> <p>T: So many ideas! Let's take a look! 介紹你的作品的時候，可以說些什麼呢?</p> <p>Look here! You can say ...</p> <p>“Hello! We are Group 1. This is a/an _____. We use it again.”</p> <p>T: Say it together!</p> <p>Ss: ...</p> <p>T: Or you can say ...</p> <p>“Hello! We are Group 1. This is a/an _____. We made it from _____.”</p> <p>T: Say it together!</p> <p>Ss: ...</p> <p>T: Are you ready? Let's welcome Group ...!</p> <p>(老師讓學生分組上台介紹自己的再利用成品)</p> <p>T: Good job! Group ...!</p> <p>(二) 教師分享用回收物品製作的樂器與玩具</p> <p>T: It's fun time! Magician Karen made something fun. This is a shadow puppet theater here. 皮影戲舞台在這裡! I made it from a paper box and some paper.</p> <p>Ss: Yeah!</p> <p>T: You can have a show! Are you ready for some fun?</p> <p>Ss: Yes!</p> <p>T: Who wants to try? (老師讓學生體驗回收再利用製作的皮影戲舞台，做為下一單元影子主題的暖身活動)</p> <p>T: Make the boy run! Make the dog jump!</p>	<p>ppt</p>	<p>態度 檢核 課堂 參與</p>
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三 綜合活動：(5')

老師教唱歌曲。

T: Let's sing our special song again but something is different!

Reduce, reuse, and recycle. Make the world beautiful.

Reduce, reuse, and recycle. Make the world beautiful.

[總結性-口語評量]：檢視學生是否能聽懂 What do you make with the milk carton?及能發表如何回收再利用。且能跟著旋律吟唱利用垃圾車的音樂改編的歌曲。

[對應學習目標]：

1.探索減少垃圾空間的方法

2.發現回收資源在生活中如何再利用

～～第3節結束～～