

108 至 110 美感與設計課程創新計畫

110 學年度第 1 學期美感智能閱讀計畫

成果報告書

主辦單位： 教育部 師資培育及藝術教育司

執行單位： 后綜高中

執行教師： 潘如珮 教師

輔導單位： 中區 基地大學輔導

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美感智能閱讀概述

一、基本資料

辦理學校	台中市立后綜高中
授課教師	潘如珮
教師主授科目	英文
班級數	2班(402,408)
學生總數	32+33=65名學生

二、課程概要與目標

課程名稱：

施作課堂 (eg.國文)	英文	施作總節數	2	教學對象	<input type="checkbox"/> 國民小學 年級 <input type="checkbox"/> 國民中學 年級 <input checked="" type="checkbox"/> 高級中學 一年級 <input type="checkbox"/> 職業學校 年級
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1、課程活動簡介：

本次活動根據美感計畫的安妮新聞 The Anne Times Vol.07，配合龍騰第一冊第五課 The Life of a Plastic Bag 設計而成，課文描述塑膠袋被人類丟棄海洋漂流，一隻海龜誤以為塑膠袋是水母誤食而死亡，搭配安妮新聞 VOL7 介紹垃圾回收種類方法以及永續食物的選擇反思。而永續海洋正好也是聯合國永續發展目標(Sustainable Development Goals, SDGs)Life Below Water 致力發展目標之一。透過閱讀安妮新聞，了解目前海洋所遭受的汙染，討論解決之道，認識回收垃圾的方式，並透過小組合作完成海報，喚起學生不塑的環保意識。

二、課程目標（條列式）

能了解目前海洋的汙染有哪些？
 知道可回收垃圾跟一般垃圾的差別。
 知道不同的塑膠類有不同的回收方式。
 發起自發性不拿取吸管跟免洗筷的活動。

執行內容

一、課程記錄

A 課程實施照片（請提供 5-8 張）：

如下：

B 課堂流程說明：

先上完課文，接著全班閱讀安妮新聞，告知本次活動是要做海報。接著分組討論每組想完成的主題，同學開始分工並且著手設計。

二、教學觀察與反思

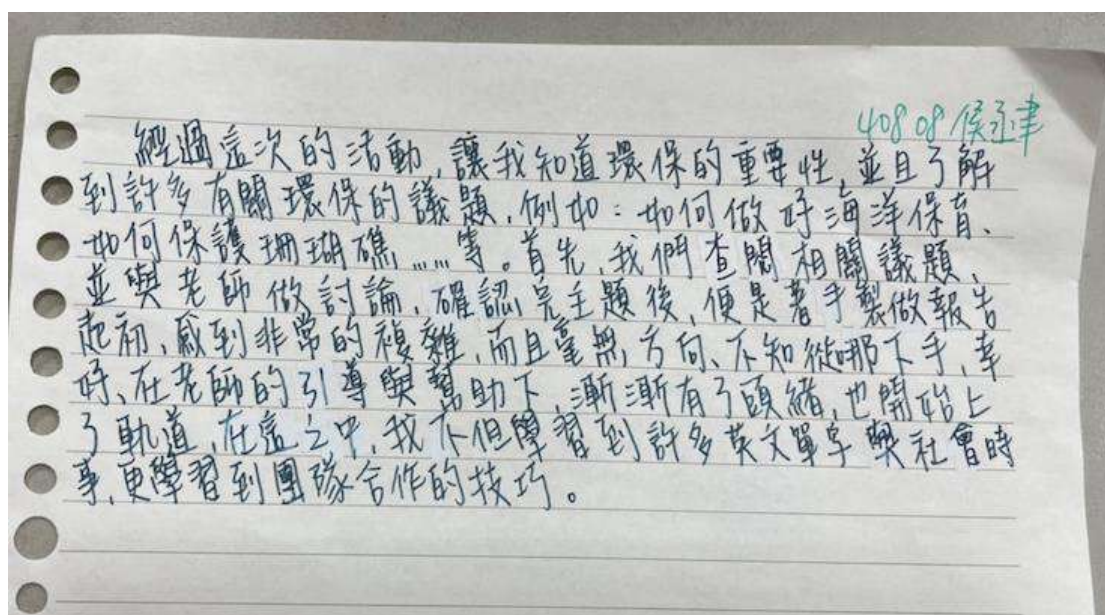
108 課綱之後英文課大幅縮減，如果要兼顧進度跟活動，對老師是一大挑戰，對學生來說也是。

學生一開始覺得新鮮，但是後來覺得不容易，開始著手海報最大的困難是決定主題以及分工，這也是種團體生活的學習。

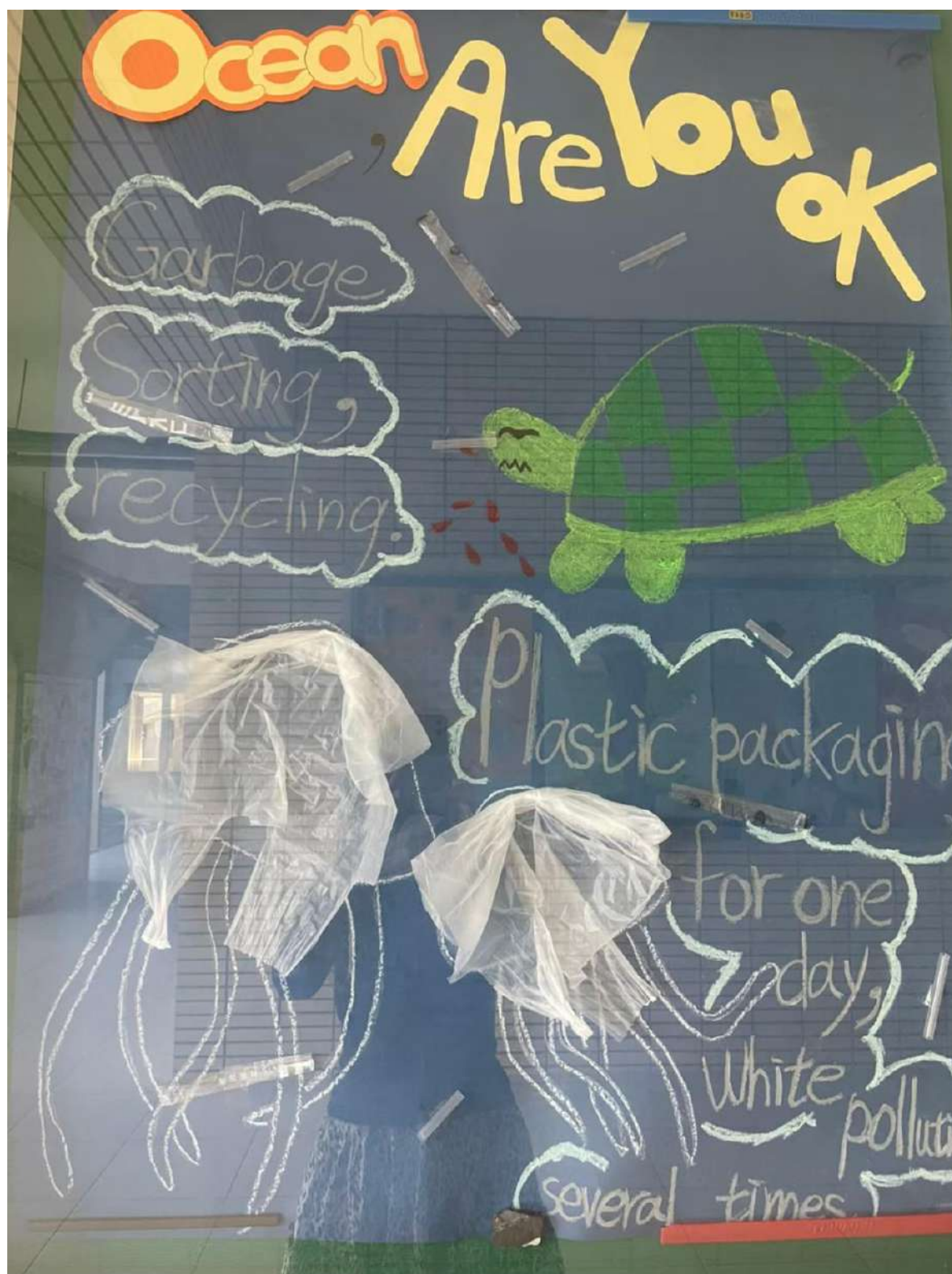
我在教學過程中比較訝異的是學生的環保意識不高以及，不使用塑膠吸管免洗筷，避免使用一次性塑膠袋而言對高中生來說很難戒除。

高中學生已經有使用習慣及固有成見，一時要高中生戒除不如對年紀小一點的學生來得容易。

三、學生學習心得與成果



實施照片：





珊瑚礁對海洋保育的重要性

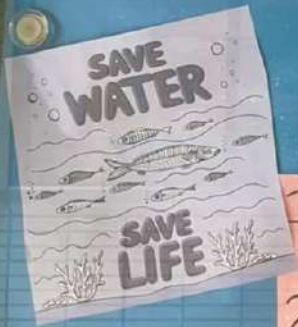
The importance of coral reefs to consevation of ocean.

1. 提供魚類重要的棲息空間,是生物多樣性最高的生態系之一

They provide an important habitat for fish, and they are one of the most biodiversity ecosystems.

2. 珊瑚礁能在暴風期間協助降低70%的波浪高度,並減少97%波浪能量,是災難來臨之際很好的防護線

Coral reefs can help reduce the height of the waves during storms and reduce 97 percent of the wave energy. It is a good protective line at the time of disaster.



如何保護

How to protect coral reefs?

1. 使用節能減碳的家電
Use energy-efficient carbon saving appliances.
2. 潛水時勿觸摸珊瑚
Don't touch coral while diving.
3. 節約用水,減少污水排放造成的污染
Save water and reduce water pollution caused by sewage discharge.



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保正年... 且... 材



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What are the disposable garbage in daily life ?

- toilet paper
- Garbage bags
- paper plates
- chopsticks
- plastic bag
- lunch boxes
- disposable dishes
- PET bottles
- paper cups

What are their Hazards to the ocean ?



If it are accidentally eaten by fish, it will cause ocean pollution and fish poisoning. Then humans are preying on the poisoned fish we catch, and it may also cause our own food poisoning. Marine garbage will also interfere with the habitat of fish.

Will it affect humans ?

Of course, the consequences can even be unthinkable, such as food poisoning or fish extinction.





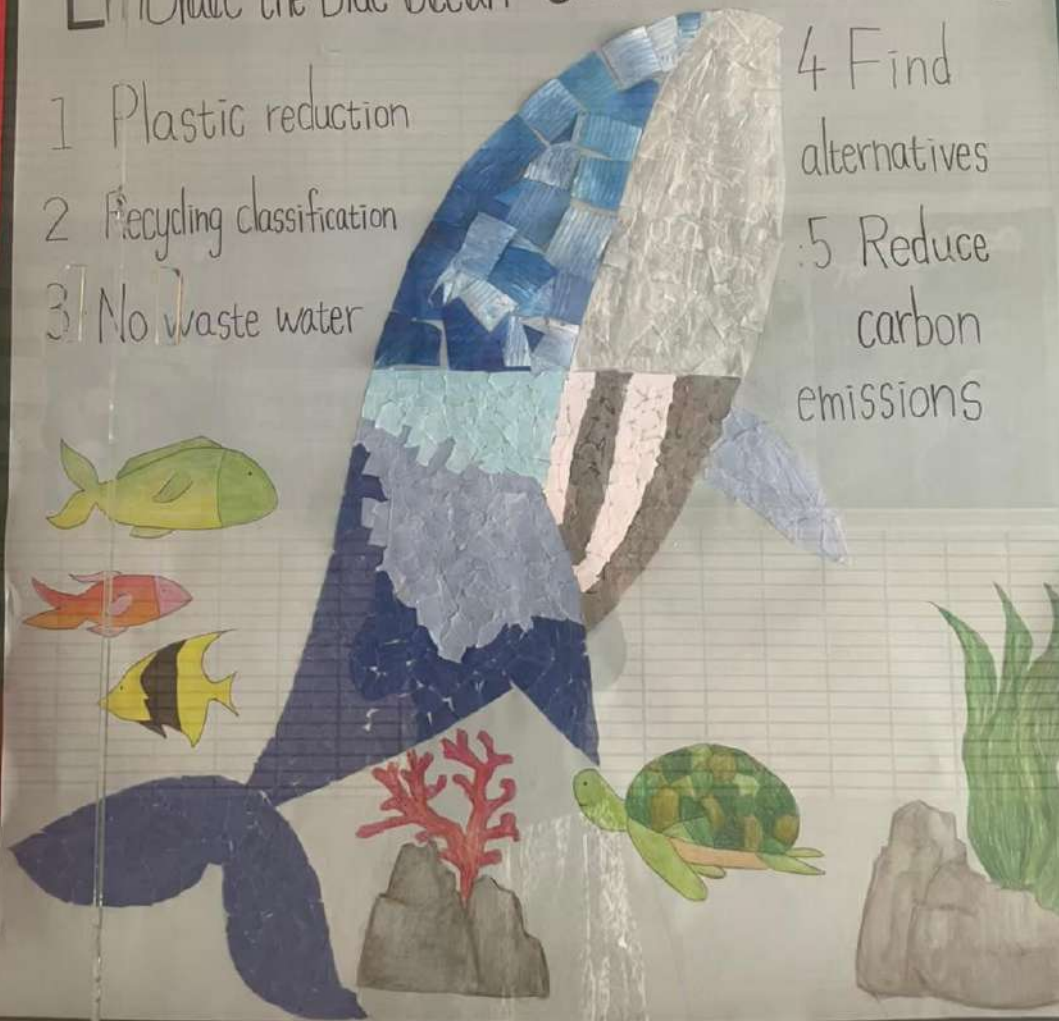
擁抱藍色海洋

珍愛生命搖籃

Embrace the blue ocean Cherish the cradle of life

- 1 Plastic reduction
- 2 Recycling classification
- 3 No waste water

- 4 Find alternatives
- 5 Reduce carbon emissions



Our green plan

綠色行動

CONSUME

- Vegetarian
- Use less disposable tableware
- Local ingredients
- Balanced and low-Carb diet



Transportation

- Public transportation
- Maintenance scooters and cars
- on foot by bike
- Environmental label



CLOTHING

- Environmental protection clothing
- Sunlight replacement dryer
- Recycling clothing



HOUSING

- Green building
- Turn off lights
- AC no lower than 26°C
- Energy-saving appliance
- Conserve water



407製

Types of plastic

塑膠的種類



<p>No. 1 PET </p> <p>俗稱寶特瓶。 PET is commonly known as PET bottles. 俗稱寶特瓶的PET瓶蓋。 PET is commonly known as PET bottles. PET is commonly known as PET bottles. PET is commonly known as PET bottles.</p>	<p>No. 3 PVC </p> <p>俗稱聚氯乙烯。 PVC is the only chlorinated plastic among the four major groups. 俗稱聚氯乙烯的PVC水管。 PVC is the only chlorinated plastic among the four major groups. PVC is the only chlorinated plastic among the four major groups.</p>	<p>No. 5 PP </p> <p>俗稱聚丙烯。 PP is a thermoplastic polymer resin of the olefin class. 俗稱聚丙烯的PP餐盒。 PP is a thermoplastic polymer resin of the olefin class. PP is a thermoplastic polymer resin of the olefin class.</p>
<p>No. 2 HDPE </p> <p>俗稱高密度聚乙烯。 HDPE is commonly known as HDPE bottles. 俗稱高密度聚乙烯的HDPE瓶蓋。 HDPE is commonly known as HDPE bottles. HDPE is commonly known as HDPE bottles.</p>	<p>No. 4 LDPE </p> <p>俗稱低密度聚乙烯。 LDPE is commonly known as LDPE bottles. 俗稱低密度聚乙烯的LDPE瓶蓋。 LDPE is commonly known as LDPE bottles. LDPE is commonly known as LDPE bottles.</p>	<p>No. 6 PS </p> <p>俗稱聚苯乙烯。 PS is commonly known as PS bottles. 俗稱聚苯乙烯的PS瓶蓋。 PS is commonly known as PS bottles. PS is commonly known as PS bottles.</p>

Recycling of plastic bottles is important because it helps reduce the amount of plastic waste that ends up in landfills. It also saves energy and resources used in the production of new plastic bottles.

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