

## 課程內容介紹 Course content introduction

### 茄萣濕地環境教育講座—認識茄萣濕地濱海植物妙用與種子 DIY 體驗

#### Lectures on Environmental Education of Qieding Wetland-Understanding the Magical Uses of Coastal Plants and Seed DIY Experience of Qieding Wetland

課程主旨：這堂課是為了幫助我們認識植物的生命力以及妙用，一草一木都是自然的導師，歡迎你跟我們一起來體驗溼地的生活樂趣。

Course theme: This class is to help us understand the vitality and magical functions of plants. Every plant is a teacher of nature. You are welcome to experience the joy of life in the wetland with us.

課程編排設計： Course layout design:

#### 1.課前雲端學習 Cloud learning before class

配合防疫我們編列一系列的線上雲端課程，我們將濕地的植物編成”茄萣濕地植物系”的影音檔上傳在茄萣濕地的專屬網站，此一系的雲端課程將取代室內課程成為茄萣濕地的環境教育講座的輔助系統。

In conjunction with the epidemic prevention, we have compiled a series of online cloud courses. We compiled the wetland plants into "Qieding Wetland Plants" and uploaded the video and audio files on the exclusive website of Qieding Wetland. This series of cloud courses will replace indoor courses as Qieding Wetland. Support system for local environmental education lectures.

#### 2.如何進行雲端學習 How to learn in the cloud

上課前需要進入茄萣濕地網站進入科學園地 ▽生態紀錄 ▽ 聽取所有植物系內容影音檔。活動當日 3.5hr 的走讀濕地時間，將以啟發的視野走入濕地進行植物辨識以及種子 DIY 體驗認識濱海植物的妙用。

Before the class, you need to enter the Qieding Wetland website to enter the Ecological Record of the Science Park to listen to the audio-visual files of all the plant content. On the day of the activity, the 3.5hr wetland time will walk into the wetland with an inspiring vision for plant identification and seed DIY experience to understand the magical effects of coastal plants.

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茄萣濕地是半人工濕地，溼地範圍以正順北路劃開區分南北兩區，北邊因囤積興建遠洋漁港的海沙而墊高，無法引進海水，水源仰賴雨水，雖然歷經 10 餘年的雨水沖刷鹽分逐漸淡化，但由於過去曬鹽的地理構造，土壤底層仍蓄積高濃度的鹽分，也因此濕地植物系以濱海植物為大宗，沿著道路兩旁分布生長，宛如一座典型的濱海植物花園，包含白水木、草海桐、黃槿、臭娘子、苦楝、水黃皮、苦林盤、銀葉樹、欄李、鹽地鼠尾粟、鹽定、海馬齒莧、瓊涯海棠等等。每年 4-9 月是這群濱海植物的主要開花季節，花園裡有著各式各樣的蜜源植物，滋養著滿園的蜻蜓、蝴蝶、昆蟲，形成了豐富的生態系統。

接下來就請跟著我們一起來進行植物辨識，影片的內容就是我們的實際的體驗課程，GO

The Qieding Wetland is a semi-constructed wetland. The wetland is divided into north and south by Zhengshun North Road. The north is elevated due to the accumulation of sea sand for the construction of offshore fishing ports. Seawater cannot be introduced. The water source depends on rain, although it has been over 10 years. The salt content washed away by rain gradually fades, but due to the geographical structure of the salt in the past, the bottom of the soil still accumulates high concentrations of salt. Therefore, the wetland plant system is mainly composed of coastal plants and grows along both sides of the road, just like a typical coastal plant garden. ,

Including **Silvery Messerschmidia**, **Beach Cabbage**, **Linden hibiscus**, **Premna serratifolia**, **Pongamia pinnata** Looking Glass Tree, **Lumnitzera** The **Sporobolus virginicus** steppe, **Kalofilum Kathing**, etc. . April to September is the main flowering season for this group of coastal plants. There are all kinds of nectar plants in the garden, which nourish dragonflies, butterflies, and insects in the garden, forming a rich ecosystem.

Next, please follow us for plant identification. The content of the video is our actual experience course, GO