

「都市實驗園地」- 科教館的食農課程

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摘要

國立臺灣科學教育館(以下簡稱本館)自民國 101 年通過環境教育設施場所認證迄今,長期以「城市環境永續」為目標,辦理各類科學實作課程、環境教育議題展覽、科學劇、科學演示、體驗工作坊、假日市集、教師研習及各類型展演活動,深受觀眾好評。因應 111 年《食農教育法》施行推動,並搭配本館 B1 全新整修完成的「科學展演探索基地」,於 112 年 11 月 3 日與農業部桃園區農業改良場簽訂合作意向書,合作辦理食農教育相關推廣事宜,以提升公民對食農教育知能與增進食農素養。因此特別建置一處「都市實驗園地」,規劃了室內外教學資源,透過植生牆帶入氣候變遷的調節、設置水耕蔬菜機台導入飲食與健康、以香草栽培區的營造連結生活藝術與園藝療育、以彩葉甘藷區活化可食地景的型態、樂活智慧監控系統介紹智慧植栽的技術應用、建置苗圃園藝區則作為都市農夫體驗課程場域。我們實際透過以產地到餐桌的概念,從植物和農作物的生長種植,進而連結科學教育並且活化科學教室教學環境及教材資源。民以食為天,透過食物作為媒介,以探索、體驗、玩科學的方式,提供各年齡層民眾及學校團體創新多元的課程服務,擴大科普及串聯食農及環境教育。

關鍵字：食農教育、都市實驗園地



"Urban Experimental Garden" - Food and Agricultural Education Courses at the Science and Education Museum

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Abstract

Since receiving certification as an environmental education facility in 2012, the National Taiwan Science Education Center (hereinafter referred to as "the Center") has consistently aimed to promote "Urban Environmental Sustainability." The Center offers a diverse range of scientific hands-on courses, environmental education exhibitions, science plays, demonstrations, experience workshops, holiday markets, teacher training, and various performance activities, all of which have been well-received by the public. In response to the implementation of the Food and Agricultural Education Act in 2022, and with the completion of the new "Science Exhibition Exploration Base" on the Center's B1 floor, a memorandum of understanding was signed with the Taoyuan District Agricultural Research and Extension Station on November 3, 2023. This collaboration focuses on promoting food and agricultural education to enhance public knowledge and understanding in this area. To support this initiative, the Center has established an "Urban Experimental Garden," which includes both indoor and outdoor educational resources. The garden incorporates living walls to demonstrate climate change adaptation, hydroponic vegetable systems to introduce the relationship between diet and health, and herb cultivation areas that connect lifestyle art with horticultural therapy. It also features colorful sweet potato areas that revitalize edible landscapes, smart monitoring systems showcasing technology applications in smart planting, and nursery horticulture areas designed as a venue for urban farming experience courses. Through the concept of farm-to-table, this garden connects the growth and cultivation of plants and crops with scientific education, enhancing the teaching environment and resources of science classrooms. By using food as a medium, the Center provides innovative and diverse course services for people of all ages and school groups, expanding the reach of popular science and linking food and agriculture with environmental education.

Keywords: Food and Agricultural Education, Urban Experimental Garden