

開心農場建造中！食農教育更簡單，學更多！

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摘要

隨著食農教育法案通過及 108 課綱素養教學的推動，在校園中成立小型體驗農場成為中小學食農教育的其中一種方法。在校園內種菜，讓學生透過親自種植、照護與採收直接了解食物如何生產，親手操作整個體驗過程，讓學生逐漸改變飲食習慣。然而對於沒有農事經驗的教職員而言，食農教育是重重挑戰，首先除了要在農田中面對雜草、施肥與灌溉等難關；其次在課堂上也缺乏農事經驗，難以為求知若渴的同學們解惑。面對農園現場的執行問題，亞植透過協助校園建置智慧化灌溉農場，減少了假日無人澆灌的窘境亦避免澆灌不足或過量的風險，同時也能夠讓學生透過編寫積木程式，用科技化的方式管理菜園，讓農業變得更簡單也更有趣。另一方面，食農教育不只是種菜體驗活動，要充實更全面的食農教育知識，亞植也提供多元化的食農教育方案，除了入校教學帶領學生種植蔬菜，分享學生第一手的農業知識，亦開放農場讓師生到農業現場了解有機農產品的生產過程、有機雞蛋生產與養雞日常以及瞭解循環農業對於環境的幫助等，也讓師生能夠在農場動手將新鮮採收的農作物做成料理，走完一趟產地到餐桌的旅程。

關鍵字：食農教育、校園農場、積木程式



Building Happy Farms! Simplifying Food and Agricultural Education, Learning More!

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Abstract

With the passage of the Food and Agricultural Education Act and the promotion of the 108 Curriculum Guidelines for competency-based teaching, setting up small-scale experiential farms in schools has become a method for food and agricultural education in primary and secondary schools. Growing vegetables on campus allows students to understand how food is produced through hands-on planting, care, and harvesting, enabling them to gradually change their eating habits. However, for staff without agricultural experience, food and agricultural education presents numerous challenges. They must confront difficulties such as dealing with weeds, fertilizing, and irrigation in the fields, and lack the experience to answer students' questions effectively in class. To address the practical issues of managing school farms, Asia Plant Organic Agribusiness assists in establishing smart irrigation farms on campuses, reducing the problem of unattended watering during holidays and avoiding the risks of under- or over-watering. Additionally, students can manage the garden using block-based programming, making agriculture simpler and more engaging. On the other hand, food and agricultural education is not just about vegetable planting activities. To enrich the comprehensive knowledge of food and agricultural education, Asia Plant Organic Agribusiness also offers diverse educational solutions. These include in-school teaching to guide students in growing vegetables, sharing firsthand agricultural knowledge, and opening farms for teachers and students to understand the production processes of organic products, organic egg production, daily chicken care, and the benefits of sustainable agriculture for the environment. Students and teachers can also engage in hands-on cooking with freshly harvested produce, completing a journey from farm to table.

Keywords: Food and Agricultural Education, Campus Farms, Block-Based Programming