

June 2026



Floating Garden 漂浮花園

How Floods Affect Our Food

Flooding does more than just damage homes and cars; it can destroy the crops that we all depend on for food. For their final KCFS project, Grade 5 looked at the impact of floods in both Taiwan and Bangladesh. During their research, they discovered a clever solution used in Bangladesh: for over a century, farmers there have been building floating gardens to keep their crops alive even during the worst floods.

Designing and Testing Garden Models

The students studied the science of buoyancy before working in groups to build their own floating garden models. The goal was to create a structure that could keep plants safe and dry during a flood. They finished with a tense 10-minute water test, where the students watched carefully to see if their models stayed stable or if any soil washed away into the water. It was an exciting way to see their research and designs put to the test.

洪水如何影響我們的食物

洪水造成的影響不只是損壞房屋和汽車，它也可能摧毀我們賴以維生的農作物。這次康橋未來技能的期末專題，五年級學生探討洪水對台灣和孟加拉的影響。在研究過程中，他們發現孟加拉採用一種巧妙的解決方案：一百多年來，當地農民一直利用「漂浮花園」來種植作物，即使在最嚴重的洪水期間，也能讓農作物存活下來。

設計與測試漂浮花園模型

學生先學習浮力的科學原理，接著分組製作自己的漂浮花園模型。他們的目標是設計出一種能在洪水發生時保護植物、避免植物被水淹沒的結構，並在最後進行一場緊張刺激的十分鐘水中測試。學生仔細觀察自己的模型是否能保持穩定，以及土壤是否會被水沖走。這是見證學生將研究與設計成果投入實際檢驗、展現學習成效的精彩時刻。

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1

ASK + IMAGINE
提問 + 創思

2

We learned that the rainy season in Bangladesh can last for 6 months!
我們瞭解到孟加拉的雨季竟然可能長達六個月！

Bangladesh

Due to climate change the rainy season has become longer. It can last up to six months every year.



3

PLAN
計畫

4

We developed a group plan that can stay afloat.
我們制定一個能夠漂浮在水面上的設計方案。



4

CREATE
創造

5

We built our floating gardens and put real plants in them.
我們製作自己的漂浮花園，並在裡面種植真正的植物。



5

IMPROVE
改進

6

We observed our models during the test to see what could be improved.
我們在測試過程中觀察自己的模型，看看有哪些地方可以改進。

