

Invent 發明



The Plastic Problem

Plastic pollution is now considered one of the largest environmental threats facing humans and animals globally. Due to the fact that it doesn't degrade but instead breaks down into smaller and smaller pieces, much of that plastic is still here on earth. The problem is clear: too much plastic.

Plastic from Milk!

After getting to grips with the plastic problem we started to look at how we can solve this issue by inventing an alternative. As young inventors the students began exploring different options to plastic and were pleasantly surprised when we considered the idea of turning milk into plastic. The plan was to stimulate the students' creative thinking through understanding what invention is and then going through the process of trial and error to create the product required.

Working together as a group to create the milk plastic was so much fun and provided a lot of learning opportunities. It required patients, careful planning and coordination in an effort to produce a good final result. Most importantly the students learned how to follow a process and to keep trying if you are not successful the first time round.

塑膠問題

塑料污染被認為是全球人類和動物面臨的最大環境威脅之一。由於它不會被分解，而是變成越來越小的碎片，因此大部分塑料仍存在地球上。問題很明顯：塑料過剩。

牛奶製的塑料！

在了解塑料問題之後，我們開始研究如何發明可替代的物品來解決此問題。作為小小發明家，學生開始探索塑料的替代物品，當想到可以將牛奶變成塑料時，他們感到非常驚喜。學生透過了解發明是什麼，並經過反複試驗創造所需的物品，來激發他們的創造性思維。

小組一同創造牛奶塑料非常有趣，並且提供了許多學習機會。過程需要耐心、仔細地計劃和協同合作，以得到良好的結果。最重要的是，學生學會依照流程，即使在不成功的情況下繼續嘗試。

1

ASK + IMAGINE

提問 + 創思

2

We examined the benefits and drawbacks of using plastic.
我們研究了使用塑料的利弊。



3

PLAN 計畫

4

Through trial, error, and careful planning we perfected our milk plastic recipe.
通過反複試驗、錯誤和精心計劃，我們完美地製作我們的牛奶塑料配方。



4

CREATE 創造

5



Our milk plastic shapes took a couple of days to dry before we had a chance to decorate them.
牛奶塑料需要幾天的時間乾掉定型，我們才能進行裝飾。

5

IMPROVE 改進

6



We improved our creations by adding color or drawing patterns on them.
我們在牛奶塑料上著色或繪圖來增添作品色彩。