

November, 2025

Desert Adaptations

沙漠適應性

Animal Adaptations

Grade 2 students learned that deserts are dry places with very little rainfall and big temperature changes between day and night. They explored how desert plants and animals survive using special adaptations such as staying cool in burrows, storing water, or having wide feet for walking on sand.

After reading a story about Anna, a girl visiting the desert with her family, students were given a design challenge — to create desert shoes for Anna's trip. They used what they learned about animal adaptations, like a camel's wide feet or a fox's thick fur, to design shoes that could protect feet from hot sand and help with walking on rough ground.

Creating a Desert Shoe

Working in teams, students built and tested their shoe prototypes, shared their ideas, and improved their designs based on feedback. The project helped them connect science and creativity to understand how living things — and people — adapt to survive in different environments.

動物適應性

二年級的學生瞭解到沙漠是一個乾燥的地方，降雨量極少，且白天與夜晚之間的氣溫變化很大。他們探討沙漠中的植物和動物如何藉由特殊的適應方式生存，例如躲進洞穴保持涼爽、儲存水分，或擁有寬大的腳掌以便在沙地上行走。

在閱讀一個關於安娜和家人一起到沙漠旅行的故事後，學生收到一個設計挑戰——為安娜的沙漠之旅設計一雙「沙漠鞋」。他們運用所學的動物適應知識，例如駱駝寬大的腳掌或狐狸厚厚的皮毛，設計出能保護腳部免受炙熱沙地傷害、並能在崎嶇地面上行走的鞋子。

創造沙漠鞋

學生分組合作，製作並測試他們的鞋子原型，分享彼此的想法，並根據回饋改進設計。這項專題活動幫助他們將科學與創造力結合起來，同時也瞭解生物，包括人類是如何適應並在不同環境中生存。

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1

ASK + IMAGINE

提問 + 創思

2

We learned about deserts and how living things survive in them.
我們學習有關沙漠的知識以及生物如何在沙漠中生存。



3

PLAN

計畫

3

We studied animal adaptations and used what we learned to create our shoe designs.
我們學習動物的適應特徵，並運用所學來設計我們的鞋子。



4

CREATE

創造

4

We worked together to build the desert shoes we designed.
我們相互合作來創造我們設計的沙漠鞋。



5

IMPROVE

改進

5

We presented our shoes and made improvements based on feedback.
我們展示自己的鞋子，並根據回饋進行改進。

