

Desert Adaptations

沙漠適應性

Introduction

Deserts are characterized by their arid conditions with minimal rainfall. They can exist in hot and cold climates, with hot deserts often found near the equator. In deserts, plants and animals have adapted to survive with limited water resources, as evident in climate diagrams. Additionally, deserts experience significant temperature fluctuations between day and night, prompting various life forms to develop special adaptations to cope with these changes. During their studies, students were introduced to diverse desert regions worldwide and gained insights into the distinctive flora and fauna inhabiting these areas.

Animal Adaptation

In order to survive in deserts, animals employ various strategies such as seeking refuge underground or taking shelter in burrows during the intense daytime heat. Second grade students were educated about a diverse range of desert animals and tasked with observing and investigating the distinctive traits of each species that enable them to thrive and endure in desert environments.

Creating a shoe

It was fascinating to explore the adaptations that animals have developed to ensure their survival. Students had to take several of these adaptations and apply them to design and create a shoe that could withstand the harsh desert climate.

介紹

沙漠特徵為乾燥及降雨極少。沙漠可以出現在炎熱或寒冷的氣候中，炎熱的沙漠通常位於赤道附近。在沙漠中，動植物適應了有限水資源的生活條件。此外，沙漠日夜極大溫差使各個物種發展出特殊的適應能力。在研究中，學生學習到世界各地不同的沙漠地區，並深入了解這些地區獨特的動植物。

動物適應性

為了在沙漠中生存，動物採取各種策略，例如白天酷熱時躲在地下或洞穴中。二年級的學生們學習了各種不同的沙漠動物，並觀察和研究每個物種的能夠在沙漠生存的特徵。

創造鞋子

探索動物為了生存而發展出的適應性是很吸引人的。學生將其應用於設計和製作能夠承受沙漠嚴酷氣候的鞋子。

1 ASK + IMAGINE 提問 + 創思



We discovered different deserts and their inhabitants. 我們尋找不同的沙漠及其棲息的動植物。



3 PLAN 計畫



We researched desert animal adaptations and applied them to our shoe design. 我們研究沙漠動物的適應能力並應用在鞋子的設計。



4 CREATE 創造



5 IMPROVE 改進



We created a shoe that will enable us to survive the harsh desert climate. 我們創造能夠讓在嚴酷氣候中使用的鞋子。

During the process we had an opportunity to make some changes when things didn't go as planned. 在過程中如果出現問題我們會修改計畫。