

Desert Adaptations

沙漠適應性

Introduction

Deserts are dry, arid areas that receive very little rain. Deserts can be hot or cold. Most hot deserts are found near the equator. As shown by various climate graphs, plants and animals in the desert have to cope with very little water. There is also a big variation in temperature between day and night. Many life forms have special adaptations to cope with these changing temperatures. Students were familiarized with the desert areas around the world and discovered the unique plants and animals living there.

Animal Adaptation

Animals survive in deserts by living underground or resting in burrows during the heat of the day. Some creatures get the moisture they need from their food, so they don't need to drink much water. The grade two students were introduced to a variety of desert animals and had to observe and study the unique features of each animal that enabled it to live and survive in a desert.

Creating a Creature

It was fascinating to explore the adaptations that animals have developed to ensure their survival. Students had to take five unique adaptations from any of the desert animals introduced to them and design a creature that could live and survive in the desert. These creatures were designed in a diagram style showing and explaining each unique feature and its purpose.

介紹

沙漠是非常乾燥的地區，降雨量很少。還可以區分為熱漠和寒漠。大多數炎熱的沙漠都位於赤道附近。正如各種氣候圖所示，沙漠中的植物和動物需適應很少水的環境。因為晝夜溫差很大，許多生命形式都有特殊的適應能力來應對這不斷變化的溫度。學生們在專題中熟悉了世界各地的沙漠，並了解了生活在當地的獨特動植物。

動物適應性

在沙漠中，動物透過生活在地下或在炎熱的白天時在洞穴中休息來生存。有些生物從食物中獲取所需的水分，因此它們不需要喝太多水。老師向二年級的學生們介紹了各種沙漠動物，並觀察和研究每種動物具有哪些獨特特徵，使他們能夠在沙漠中生存。

創造生物

探索動物為確保其生存而發展出的適應性非常有趣，學生們必須從任何沙漠動物中進行五種獨特的適應性改造，並設計出一種可以在沙漠中生存的生物。學生們以繪圖方式展示和解釋他們的設計中每個獨特的特徵及其用途。

1 ASK + IMAGINE

提問 + 創思



Discovering the three different deserts and their inhabitants.
發現三個不同的沙漠及其棲息的動植物。



3 PLAN

計畫



Researching desert animals and their adaptations.
研究沙漠動物及其適應性。

4 CREATE

創造



Creating our animals with their five adaptations.
創造具有五種沙漠適應性的動物。

5 IMPROVE

改進



Changes were made as we discovered better animal combinations.
創作過程中，隨著發現更好的動物適應性組合，我們做出修改。

