Classifying Animals
動物分類趣

How are animals classified?

Scientists classify animals as they do plants on the basis of shared physical characteristics. However as even the scientists will admit classifications change frequently and can be consolidated into numerous groups. The grade one students were exposed to the basic six group classification of animals, namely Mammals, Fish, Birds, Reptiles, Amphibians and Invertebrates.

Making the connection

This project explored the classification system used to identify animals. Most children are fascinated by animals and often have an animal that is a particular favorite, possibly even an animal the child has never seen before. They also like to order and sort things, and this lesson cultivated both of these interests. The students observed different animals and identified the main characteristics required to separate them into their groups. They ended up understanding the connection with what makes animals different for example mammals and reptiles and also what makes them the same, having a backbone.

Creating an animal hybrid

The activity was concluded by asking the students to plan and develop a hybrid animal. They relied on knowledge established during earlier stages of the project to come up with a unique animal comprised from three different animals. The students got very creative and enjoyed creating and improving their animals digitally prior to making a paper version, with the objective being to create a new species and classify it according to the principles of classification.

如何分類動物？

科學家們根據共同的生理特徵對動物及植物進行分類。然而，就算是科學家也不可否認，分類結果經常改變，或也能合併成多種種類。一年級學生學習基本六大類動物，分別是哺乳類、魚類、鳥類、爬蟲類、兩棲類和無脊椎動物類。

動物間的關聯

這個專題讓學生能探究動物的分類系統。大多數學生對動物特別感興趣，他們通常對某種動物特別喜愛，甚至可能是從未見過的動物。這堂課讓學生學習排序及分類動物。他們觀察不同動物，並將動物依主要特徵分成不同的種類。最後，他們理解動物之間的差異，如哺乳類和爬蟲類不同，但卻都有脊椎的原因。

創造混種動物

此活動讓學生計畫和創造一隻混種動物，他們以學習到的知識，發想出由三種不同動物組成的獨特動物。學生先在紙上畫草稿，再用電腦創造並改進。他們極具創造力，以創造新物種為目的，並根據分類原則將其歸類。

ASK + IMAGINE 提問 + 創思

We worked together to sort and classify animals into their different groups.
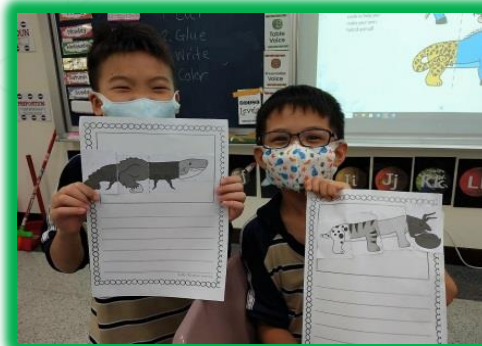我們共同將動物分類並歸入不同的類別之中。

PLAN 計畫

Animal cards helped us to gather ideas and plan our hybrid.
動物卡片幫助我們收集想法並規劃混種關聯。

CREATE 創造

IMPROVE 改進

We had a great time creating, comparing, and classifying our hybrid animals.
透過創造、比較和分類混種動物，我們玩得很開心。

With a live demonstration we were able to see and improve our animals.
我們展示成品，並檢視及改善自己的動物。