

The Human Body

人體

The body systems

The human body is an amazing machine. It is made up of different groups of organs, nerves, and tissues called systems. There are 12 primary systems in the human body, each with its unique function. Learning about these systems can be both interesting and overwhelming; therefore we introduced the grade one students to several of the main systems but we focused on the respiratory system.

The respiratory system

The lungs are respiratory organs that are vital to the breathing process and necessary to acquire life-giving oxygen. The respiratory system consists mainly of the trachea, the diaphragm and the lungs. There were several hands-on tasks during this project for the grade ones to learn more about the lungs and how they work. The first step was to learn about the anatomy of the lung followed by the exchange of oxygen from the blood in the lungs.

We learned how the lungs work by building a simple lung model from plastic bags, straws, and anatomical cutouts. This model was a great visual way to teach the students how the lungs work. It also helped them to understand the anatomy of the lungs and the different parts that work together to make sure that we can keep breathing.

人體系統

人體是一台神奇的機器。它是由不同器官、神經和組織所組成的。人體有 12 個主要系統，每個系統都有其獨特的功能。瞭解這些系統既有趣又難以抗拒；因此，我們向一年級學生介紹了幾個主要系統，並著重在呼吸系統。

呼吸系統

肺是呼吸過程中至關重要的呼吸器官，是獲得生命所需的氧氣。呼吸系統主要由氣管、橫膈膜和肺組成。在這項專題中，一年級學生有幾項實踐任務可以更加地瞭解肺部及其運作原理。第一步驟是瞭解肺部的解剖結構，然後認識肺部血液中的氧氣交換。

我們利用塑料袋、吸管和解剖學切割技術構建一個簡單的肺模型，以瞭解肺是如何運作的。這個模型有極好的視覺效果，可以教學生肺部的運作原理。它還幫助學生瞭解肺部的解剖結構，以及不同部分的器官相互運作，以確保我們能夠保持呼吸。

1 ASK + IMAGINE 提問 + 創思

We gathered facts about the human body and its systems.
我們收集了有關人體及其系統的真相。



3 PLAN 計畫

We focused on the lungs and how they work.
我們著重在肺部及其和運作。



4 CREATE 創造

We made working lung models.
我們製作肺的模型。



5 IMPROVE 改進

After the create stage, we had additional time to make changes and improvements, and test our lung models.
在創造階段之後，我們有更多時間進行改變和改進，並測試我們的肺模型。

