

Living and Non-Living things

生物和非生物

Characteristics of living and non-living things

We can find many things around us, from mountains and oceans to plants and animals. The earth in which we live is made up of several things. These “things” can be categorized into two different types – Living and Non-living Things. Living things have “life,” though some might not show its evident signs. For instance, a tree would probably not react the same way a human would. It would not react when we hit it, and it might not be able to walk around. Though the signs of life displayed by them are not very observable, it does not make them non-living.

Greenhouse project

Together the first graders looked at the important characteristics of living and non-living things and the difference between the two. The students were tasked to sort picture cards into three categories, living things, non-living things and the needs of living things. As a project to better understand living things and their needs the grade ones researched, planned and designed a greenhouse. This project allowed students to study plants as living things and the important role they play for all living things. In addition important lessons on quantity, measurements and volume were reinforced.

生物和非生物的特徵

我們可以在周遭找到許多東西，從高山和海洋到動植物。我們所生活的地球是由好幾樣東西組成的。這些「東西」可分為兩種類型：生物和非生物。生物具有“生命”，儘管有些生命沒有明顯的跡象。例如，一棵樹可能不會像人類那樣做出相同的反應。當我們敲打它時，它不會做出反應，且無法走動。儘管它們顯示的生命跡象不是很明顯，並不能代表它們是非生物。

溫室計畫

一年級的學生一起研究了生物和非生物的重要特徵以及兩者間的區別。學生將圖卡分為三類：生物、非生物和生物需求。為了更全面了解生物及其需求，一年級學生研究、規劃並設計了溫室。此專題使學生能夠研究植物作為生物及其在所有生物中扮演的重要角色。此外，我們也強調了關於數量、尺寸和體積的相關學習。

1 ASK + IMAGINE 提問 + 創思

Groups working together, sorting cards of living and non-living things.

小組合作分類生物和非生物的卡片。



3 PLAN 計畫



Plants need water, air, nutrients and sunlight. We helped each other to make our greenhouses.
 植物需要水分、空氣、養分和陽光。我們一起製作溫室。

4 CREATE 創造



5 IMPROVE 改進



Together we decorated and assembled the greenhouses, ready for the seeds to grow into mature plants.

我們一起裝飾和組裝溫室，準備好種子成長的環境。