Science Unit Overview

Subject: SCIENCE  Year: 7  Term: 3  Week: 1-6

Unit Title: CLASSIFICATION

Aim: 1. This unit provides students with the opportunity to group a variety of objects as living or non-living things. Students will use keys to identify, sort and name organisms (animals and plants), based on their similarities and differences.

What students will do:

Unit Outline
- Think, pair share activity
  Think of their bedroom and suggest how things are kept. Why does it have to be like this?
- Write down all the words that are similar in meaning to ‘classify’
- Observe and list down ten things that can be seen outside the classroom
- Make a table to place things into different groups
- Make and interpret simple classification keys
- Classify living things into two groups, vertebrates and invertebrates?
- Work in groups and make dominoes
- Use a microscope to classify things

What students will learn:

Key Learning Outcomes
- the definition of classification and the need to classify things
- about the major differences between living and non-living things?
- about some examples of living and non-living things
- about the five major Kingdoms
- to use a key to put animals into their respective groups
- to further classify the animals into two major groups (vertebrates and invertebrates)
- to classify plants into their respective groups
- look at the features of bacteria, fungi and virus
- will research about aboriginal bush food

What students will be assessed on:

Evidence of Learning
- Good connected mind-map in student books
- Well-constructed classification key
- Scientifically and grammatically correct poster on microbes
- Good research skills to put up a power point presentation on aboriginal food
- Competence in the use of microscopes
- Good library skills to present an information report on different groups of plants
- good marks in topic tests

Essential Words:
Classify, classification, dichotomous key, living things, non-living things, vertebrates, invertebrates, kingdom, fungi, bacteria, virus, features

Homework:
Students are required to complete their comprehension and quiz based homework tasks once per fortnight.

Grade Descriptors  Work Samples: 1
A-E  Assessment Task (Animal Powerpoint Presentation)