

I am secure at second level because I can

- identify and classify living things and understand how species depend on one another and the environment for survival

- explain energy efficiency and have an informed view of responsible energy use.

- investigate the factors affecting plant growth and understand the positive and negative impact on society

- explain the water cycle using appropriate scientific terms

- discuss current scientific issues

- investigate life cycles and explain how energy flows between plants and animals in food chains and food webs

- use my knowledge of the water cycle to describe how it can be cleaned and conserved

- make a variety of electrical circuits and can explain how energy transfers

- explore and describe understanding of energy - electrical, magnetic, electrostatic, light, sound, gravitational forces and energy transfer

- identify when a chemical reaction has occurred to produce a new material

- use a model to describe the solar system in terms of size, scale, time and relative motion

- explain that friction is a force and can describe ways in which friction forces can be reduced

- identify renewable and non-renewable sources of energy and explain the issues associated with finite energy resources and pollution

- explore the properties of different substances and describe how the characteristics of the substance can change

- describe a simple model of the earth's structure

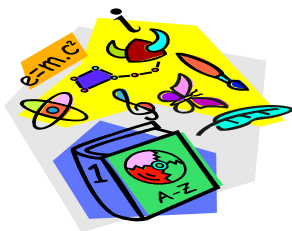
- separate simple mixtures, through practical activities

- apply my understanding of the factors which affect floating and solve a practical challenge

- describe the breathing and circulatory system and how to keep them healthy

I have had the opportunity to **Make, Say Write & Do**

I can **Discuss, Present, Investigate & Explore**



Science : Second Level