



Science

Years 5 and 6 Cycle B



Habitats

- Learn vocabulary associated with habitats.
- Classify animals based on specific characteristics.
- Classify animals into broad groups according to common observable characteristics.
- Identify types of microorganisms.
- Describe helpful and harmful microorganisms.
- Plan and carry out an investigation involving microorganisms.
- Visit to local area.

Light

- Identify natural and manmade light sources.
- Demonstrate that light travels in a straight line
- Explain how a shadow is formed using knowledge of transparent, translucent and opaque materials.
- Investigate how light is reflected and travels.
- Describe the movement of Earth and other planets relative to the sun in the solar system.
- Describe the movement of the Moon relative to the Earth.

Materials

- Explain the difference between melting and dissolving and identify materials which will dissolve in water.
- Investigate the rate of dissolving.
- Identify different ways materials can be mixed together and know when to use which processes to separate mixtures
- Describe how to recover a substance from a solution by separating different mixtures.
- Carry out a variety of investigations involving reversible and irreversible changes.

Sound Investigation

- Find patterns between the pitch of a sound and features of the object that produced it.
- Make a musical instrument.
- Explain how to change the pitch when playing the instrument.
- Investigate how sound is carried to the ear.

Life Cycles

- Understand the life cycle of a mammal.
- Explain the life cycle of an amphibian.
- Describe the life cycle of an insect.
- Understand the life cycle of a bird.
- Compare life cycles of different animals.

Scientist Discoveries

- Report on findings from an inquiry inspired by Stephen Hawking's theories about black holes.
- Create a model of the structure of DNA and describe the evidence scientists discovered to create an accurate DNA model.
- Construct a scatter graph to show the effects of penicillin on a bacteria colony.
- Describe what the fossils found by Mary Leakey tell us about human evolution.
- Answer questions about Steve Jobs' life and work.