

Gr 4 Natural Science

Term 1: Life and Living Things

- Characteristics of living things (life processes):
Senses, Respiration, Reproduction, Movement, Growth, Excretion, Nutrition
- Living things in God's creation: Plants, Animals, People

Plants:

- Parts of a plant: Roots, Stem, Leaves, Flowers
- Pollination: Female part of flower, Male part of flower, Pollinators
- Parts of the plant we eat
- Photosynthesis
- Study banana plant
- Study pineapple tree

Animals:

- Vertebrates: Reptiles, Birds, Mammals, Amphibians, Fish
- Invertebrates: Insects, Arachnida
- Complete and Incomplete metamorphosis
- Life cycle of frog
- Life cycle of butterfly
- Animal shelters
- The Bee: Life Cycle, Pollen, Nectar

Term 2: Matter and Material

- Phases:
Solid, Liquid, Gas
- Properties of:
Solid, Liquid, Gas
- Phase changes:
Melting
Freezing
Evaporation
Condensation
- Water cycle – part of God's creation
- Raw and manufactured materials
- From sand to glass
- From wood to paper

Term 3: Energy and energy transfer

- Solar energy:
Fossil fuels
Greenhouse effect
Food chains
Producer and consumer: Herbivore, Carnivore, Omnivore
- Wind Energy:
Wind farms
- Sound energy:
The ear - parts of the ear
How does the ear work?
- Light energy:
Light Wave, Rainbow, Rays of Light
Experiments: Light becomes absorber
Being a shadow
The eye - parts of the eye
What happens when you cry?
- The nose:
Parts of the nose
Breathing
Lungs

Term 4: The Earth and beyond

- Our Solar System:
How did it come about – the Creation
Inside planets
Outer planets
- The Moon:
Moon landing
Surface
Phases
- The Sun:
Day and Night
- Discovery of space:
Shuttle