



## Grade 1 Science Curriculum Framework Document

### Scientific enquiry

#### Ideas and evidence

1. Try to answer questions by collecting evidence through observation.
2. Plan investigative work.
3. Ask questions and contribute to discussions about how-to-see answers.
4. Make predictions.
5. Decide what to do to try to answer a science question.
6. Obtain and present evidence
7. Explore and observe in order to collect evidence (measurements and observations) to answer questions.
8. Suggest ideas and follow instructions.
9. Record stages in work. Consider evidence and approach
10. Make comparisons.
11. Compare what happened with predictions.
12. Model and communicate ideas in order to share, explain and develop them.

### Biology

#### Plants

1. Know that plants are living things.
2. Know that there are living things and things that have never been alive.
3. Explore ways that different animals and plants inhabit local environments.
4. Name the major parts of a plant, looking at real plants and models.
5. Know that plants need light and water to grow.
6. Explore how seeds grow into flowering plants.

#### Humans and animals

1. Recognise the similarities and differences between each other.
2. Recognise and name the main external parts of the body.
3. Know about the need for a healthy diet, including the right types of food and water.
4. Explore how senses enable humans and animals to be aware of the world around them.
5. Know that humans and animals produce offspring which grow into adults.

### Chemistry

### **Material properties**

1. Use the senses to explore and talk about different materials.
2. Identify the characteristics of different materials.
3. Recognise and name common materials.
4. Sort objects into groups based on the properties of their materials.

### **Physics**

#### **Forces**

1. Explore, talk about, and describe the movement of familiar things.
2. Recognise that both pushes and pulls are forces.
3. Recognise that when things speed up, slow down or change direction there is a cause.
4. Identify many sources of sound.
5. Know that we hear when sound enters our ear.
6. Recognise that as sound travels from a source it becomes fainter.