



APPORTIONING OF PRIMARY SCHOOLS SCIENCE & TECHNOLOGY CURRICULUM

GRADE 1



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APPORTIONING OF PRIMARY SCIENCE & TECHNOLOGY CURRICULUM for GRADE 1

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GRADE 1 – TERM ONE

UNIT: STRUCTURE AND FUNCTION (GRADE 1)

Topic: Some Plants have Flowers for Various Functions

Duration: 4 Lessons (30 minutes each)

Specific Objectives

Students should be able to:

1. Draw and label a diagram of the main external parts of a plant.
2. Name the external parts of a flower.
3. State the role of each part of the flower
4. Compare the external parts of different flowers (shape, colour, size, texture).

UNIT: ECOSYSTEMS (GRADE 1)

Topic: Local Plants and Their Uses

Duration: 2 Lessons

Specific Objectives

Students should be able to:

1. Identify/name plants found in your country
2. Discuss different uses of plants in the society.
3. Describe how plants and plant parts can be processed into certain foods.

Topic: Our Local Animals

Duration: 4 Lessons

Specific Objectives

Students should be able to:

1. List animals found in their country.
2. State features of different animals.

3. Discuss/explain what endangered species are and give examples of them.
4. Outline ways to protect endangered species. E.g. (laws; changing of human behaviour).

UNIT: MATTER AND MATERIALS (GRADE 1)

DURATION: 3 lessons

OBJECTIVES

Students should be able to:

1. Classify objects as being made of plastics, metals, glass, paper and wood (properties)
2. List some properties of plastics, metals, glass, paper and wood
3. List some uses of plastics, metals, glass, paper and wood.
4. Suggest reasons for the choice of material from which objects are made.

UNIT: EARTH'S WEATHER (GRADE 1)

DURATION: 6 Lessons

OBJECTIVES

Students should be able to:

1. Predict weather patterns.
2. Construct graphs to illustrate weather patterns over a period of time.
3. Discuss how the different types of weather affect one's activities.
4. Identify clothing, structures, and devices that humans make to solve problems related to the weather.
5. Differentiate between hot and cold without using a thermometer.
6. Discuss what a thermometer is and for what it is used.
7. Identify and record the direction from which the wind is blowing at different periods.
8. Design and construct a simple wind vane (with the four basic cardinal points) to demonstrate wind direction.

GRADE 1 - TERM TWO

UNIT: SOLAR SYSTEM (GRADE 1)

DURATION: 4 Lessons

OBJECTIVES

The students should be able to:

1. Observe and record natural occurrences of the day and night.
2. Infer that day and night occur in regular cycles.
3. Identify the phases of the moon.

UNIT: ECOSYSTEMS (GRADE 1)

Topic: Feeding Habits of Organisms and Food Chains

Duration: 2 Lessons

Specific Objectives

Students should be able to:

1. Compare feeding habits of organisms (e.g. herbivores, etc. Do not use terms).
2. Construct simple food chains.

Topic: Habitats

Duration: 2 Lessons

Specific Objectives

Students should be able to:

1. Identify homes/habitats of animals and plants.
2. Classify animals as domesticated, wild and useful.

3. Classify plants as food, ornamental or decorative, shelter etc.
4. Appreciate the importance of caring for plants and animals and the environment in which they live.

Topic: Litter/Littering

Duration: 2 Lessons

Specific Objectives

Students should be able to:

1. Identify items of litter around the school.
2. Group the litter according to size, colour, material it is made of (bottles, cans, paper, plastic, food waste), recyclable and non-recyclable.
3. Explain the dangers of litter (on a simple scale, e.g. attracting animals
4. with diseases, broken glass causing injury etc.)
5. Discuss how the problem of litter in schools could be avoided.
6. Trace garbage to its final destination.

UNIT: FORCES, MOTION AND STRUCTURES (GRADE: 1)

Topic: Building Structures

DURATION: Lessons

OBJECTIVES

Students should be able to:

1. Identify the materials from which selected structures are made.
2. Suggest reasons for the choice of materials used.
3. Classify structures on the basis of the type of materials used.
4. Identify the shapes of and within selected structures.
5. Design and build a structure that will withstand a predetermined mass.

GRADE 1 – TERM THREE

UNIT: DIVERSITY AND CLASSIFICATION (GRADE 1)

Topic: Different animals make different sounds

Duration: 2 Lessons

Objective

Students should be able to:

1. Identify by sight or by sound a wide variety of animals.

Topic: My Book of Animals

Duration: 2 Lessons

Specific Objectives

Students should be able to:

1. Make a representation of animals.
2. Complete scrapbooks, portfolios, projects and posters.

Topic: Animal Behaviour:

Duration: 2 Lessons

Students should be able to:

1. Imitate the behaviour of an animal.
2. Role-play a day in the life of their pet.

UNIT: ENERGY (GRADE 1)

Topic: Electrical Devices in the Home

DURATION: 1 Lesson.

OBJECTIVES:

Students should be able to:

1. Identify devices in the home that use electricity.
2. Infer that electricity is a form of energy.

Topic: Safety

DURATION: 1 Lesson

OBJECTIVE: Students should be able to:

1. State safety measures in using electrical devices.

Topic: Uses of Energy

DURATION: 2 Lessons

OBJECTIVES: Students should be able to:

1. State the use of heat, light, and electricity in our daily lives
2. List some uses of the sun in everyday activities.

Topic: Energy Sources

DURATION: 3 Lessons

OBJECTIVES

Students should be able to:

1. Identify the source of energy which enables objects to move in given situations.
2. Make toys that can move.

UNIT: EARTH'S RESOURCES (GRADE 1)

DURATION: 9 Lessons

OBJECTIVES

The students should be able to:

1. Describe conditions of air at different times (hot, humid, and cold).
2. Identify at least two air pollutants found in a particular area.
3. Discuss how pollutants affect people's activities.
4. State the uses of water.
5. Infer that rain is water.
6. List places where water can be found.