**EMERALD ROYAL INTERNATIONAL SCHOOL,**

**MPAPE ABUJA**

**GRADE 1 BASIC SCIENCE SCHEME OF WORK**

**SECOND TERM**

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| **WEEK** | **TOPIC** | **CONTENT** | **ACTIVITIES** | **INSTRUCTIONAL RESOURCES** |
| **1 - 2** | SOIL TYPE | Types of soil: - clay - sandy - loamy | TEACHER : 1. Identifies suitable sites in the school compound from where different soil types can be collected  2.Take pupils to the identified sites in the school to collect soil samples.  PUPILS : 1. Collect soil samples in the school or home environment.  2.Observe and describe the colour, texture and particle size of the soil samples. | Samples of garden soil (clay, loamy and sandy soil). |
| **3** | SOIL TYPE | Properties o soil types | TEACHER : 1. Guides pupils to name the different soil types.  2.Guides pupils to observe and describe the colour, texture and particles size of the soil samples.  PUPIL : 1. Place some soil samples in a container, add water and stir.  2.Mould with wet sand and clay.  3. Compare clay soil and sandy soil. | Hand lens, sieve, filter paper, containers, funnel, water, hoe or shovel. |
| **4** | AIR | Floating in the air | TEACHER : Guides pupils to name the things that float in the air.  PUPILS : Throw things into the air and identify those that float, and those that do not | Balloons, old newspapers, thread, gum, sticks, strings, stones, pencils. |
| **5** | AIR | Things that float in air (paper kites, blown balloons, etc) | TEACHER : 1. Guides pupils to make a paper kite  2.Score the kites that pupils make.  PUPILS : Make and fly paper kite | Balloons, old newspapers, thread. |
| **6 - 7** | WATER | Floating and sinking in water | TEACHER : 1. Guides pupils to identify objects that: - float in water - sink in water.  2.Demonstrates to pupils some ways of making objects: - float in water e.g. stone placed on inflated balloon, human being swimming with the aid of a life jacket or calabash; - sinking in water (e.g. tying a stone to a feather, cork, etc.)  3.Initiates and guides class discussion on other ways of making things float or sink in water..  PUPILS : 1. Name things that float in water.   1. Observe the demonstrations. 2. Make things to float in water. 3. Makes things to sink in water. | Balloons, dry wood, meter rule, piece of iron, stone, thread, feathers, cork, picture of people in swimming pools using life jackets (inflated wears) or in river staying on top of calabashes. |
| **8** | COLOURS | Use of colours | TEACHER : 1. Guides pupils to identify objects through colours (living and non-living things).  2.Guides pupils to discuss uses of colours.  PUPILS : colour objects | Papers, crayons, coloured pens, colour charts, lego set/beads, dyes. |
| **9** | LIVING AND NON LIVING THINGS - PLANTS | Plants in the school compound | TEACHER : Identifies suitable place in the surrounding for pupils to visit.  PUPILS : 1. Participate in site visits  2.Observe and collect some common plants. | Specimen of local plant, drawing books, pencils, crayons, cello-tapes, plastercine, clay, workbooks. |
| **10** | PLANTS | Features of plants: - shape - size - colour - texture | TEACHER : 1. Guides pupils to prepare a plant for preservation.  2.Initiates class discussion which would enable pupils to: - identify features of the plants - group the plants based on their features.  PUPILS : 1. Print some plant parts e.g. leaves.   1. Prepare a print press of common plants. 2. Identify features of plants. | Specimen of local plant, drawing books, pencils, crayons, cello-tapes, plastercine, clay, workbooks. |
| **11** | REVISION | Revision |  |  |
| **12 - 13** | EXAMINATION | Examination |  |  |
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