**EMERALD ROYAL INTERNATIONAL SCHOOL,**

**MPAPE ABUJA**

**GRADE 1 MATHEMATICS SCHEME OF WORK**

**THIRD TERM**

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| **WEEK** | **TOPIC** | **CONTENT** | **ACTIVITIES** | **INSTRUCTIONAL RESOURCES** |
| **1** | LENGTH | 1. Introduction to the idea of length 2. Natural units of length | TEACHER :   1. Guides pupils to measure length of classroom with their foot and arms length and record the results. 2. Lead pupils to find the difference in arms length and other pats of the body used for measurement.   PUPILS:   1. 1. Measure the length of classroom with their foot and arms length and record the result. 2. Finds out the difference in arms’ length and other parts of the body used for measurement | Classroom, pupils (parts of their body) I.e. legs, arms, foot, etc. |
| **2** | LENGTH | 1. Measurement in metres 2. Measurement in centimetres | TEACHER :   1. 1. Guides pupils to use metre rule to measure some objects in the classroom. 2. Emphasizes of the importance of the standard unit as opposed to the natural unit of measurement. 3. Leads pupils to identify the need for standard unit of measurement within the society.   PUPILS:   1. Uses metre rule to measure some objects in the classroom. 2. Mention the importance of the standard unit as opposed to the natural unit of measurement. 3. Identify the need for standard unit of measurement within the society. | Ruler, measuring tape, ropes etc. |
| **3** | AREA | 1. Introducing the idea of area 2. Area of different objects: Rectangle. Square 3. Units of measurement of area | TEACHER:   1. Guides pupils to observe and identify different shapes 2. Guides pupils to draw and identify the sides of a square and a rectangle 3. Guides pupils to compare areas of surfaces of squares and rectangles.   PUPILS :   1. Observe and identify different shapes 2. Draw and identify the sides of a square and a rectangle 3. Compare areas of surfaces of squares and rectangles. | 1. Shapes; square and rectangles show in flash cards 2. Ruler, measuring tape etc. |
| **4** | AREA | 1. Area of Triangle | TEACHER:   1. Guides pupils to identify and draw a triangle 2. Guides pupils to identify the sides of a triangle 3. Guides pupils to compare areas surfaces of a triangle .   PUPILS :   1. identify and draw a triangle 2. Identify the sides of a triangle 3. compare areas surfaces of a triangle .   . | Flash cards showing triangular shapes, concrete objects of triangular shapes, ruler etc. |
| **5** | AREA | 1. Area of Circles 2. Comapring area of different circles showing which area is larger or smaller. | TEACHER:   1. Guides pupils to identify and draw a circle 2. Guides pupils to compare areas surfaces of a triangle .   PUPILS:   1. Identify and draw a circle 2. Compare areas surfaces of a triangle . | Concrete cricular objects, flash cards, showing circular shapes, ropes, ruler, bowls, cups etc. |
| **6** | AREA | 1. Comparison of areas to show which area is large or small. 2. Standard units of measuring area e.g square units, centimetre square, metre square etc. | TEACHER   1. Guides pupils to compare areas of different surfaces. 2. Guides pupils to appreciate standard measuring units of areas   PUPILS :   1. Compare areas of different surfaces. 2. Identify the standard measuring units of areas | Plain shapes; square, rectangle, triangle, circles etc. |
| **7** | 2 - DIMENSIONAL SHAPES | 1. Identification of shape 2. ‘square corners’ in shapes. | TEACHER :   1. Bring squares, Triangles, Circles and Triangle materials to class 2. Leads pupils to identify the shapes 3. Lead pupils to name and draw the shapes identified 4. Leads pupils to discover the numbers of sides and corners of the shapes 5. Guides pupils to discover that a rectangle and square have ‘square corners’ while triangles do not have square corners except (right angles triangles).   PUPILS:   1. Identify shapes 2. Name and draw he shapes identified 3. Identify the number of sides and corners of the shapes 4. Discover that a rectangle and square have ‘square corners’. 5. Discover that some triangles have ‘square corners’ (right angle) while others do not have square corners. | Plain shapes; square, rectangle, triangles, circles etc. |
| **8** | 3 - DIMENSIONAL SHAPES | Properties of   1. Cube 2. cuboid | TEACHER :   1. Guides pupils to identify and count the faces of cubes and cuboids. 2. Leads pupils to identify the corners and edges of cube and cuboids 3. Leads pupils to mention objects at home that are cube and cuboid e.g maggi cube, cube of sugar, match box, Lipton bag etc.   PUPILS:   1. Identify and count the faces of cubes and cuboids. 2. identify the corners and edges of cube and cuboids 3. Mention objects at home that are cube and cuboid. | maggi cube, cube of sugar, matches box, Lipton bag, dice etc. |
| **9** | 3 - DIMENSIONAL SHAPES | Properties of a cylinder | TEACHER :   1. Guide pupils to identify flat curved surfaces of cylinders 2. Leads pupils to mention the differences between the flat faces and the curved faces of cylinder 3. Guide pupils to give examples of objects at home which are cylindrical in shape.   PUPILS:   1. Identify flat curved surfaces of cylinders 2. Mention the differences between the flat faces and the curved faces of cylinder 3. Give examples of objects at home which are cylindrical in shape. | Cardboard, scissoirs gum, tin of milk, tin of milo etc. |
| **10** | 3 - DIMENSIONAL SHAPES | Properties of sphere | TEACHER :   1. Guides pupils to identify the curved surface of a sphere 2. Leads pupils to identify and mention objects at home that have spherical shape.   PUPILS:   1. Identify the curved surface of a sphere 2. Identify and mention objects at home that have spherical shape. | Balls, oranges |
| **11** | DATA COLLECTION | 1. Collecting data and arranging them in arrays 2. Collecting data and arranging them in groups | TEACHER:   1. Guides pupils to collect data and arrange them in arrays 2. Arrange them in groups such as group of boys and group of girls   PUPILS:   1. Collect data and arrange them in arrays 2. Collect data and arrange them in groups | Pupils themselves, card written ages, wall, rule etc. |
| **12** | REVISION | Revision | Revision |  |
| **13** | EXAMINATION | Examination | Examination |  |



APPROVED1

5TH MAY 2023

DEPUTY HEAD INSTRUCTOR ADMIN