**NAME OF SUBJECT TEACHER: MR SOLOMON UWAOMA**

**CLASS: SS1**

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**SUBJECT: PHYSICS**

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|  | **TOPIC S** | **CONTENTS** | **PERFORMANCE OBJECTIVES** | **PRACTICE QUESTIONS** |
| 1 | **UNITS AND MEASUREMENT** | -measurement in physics, measurement of length, measurement of volume, dimensional analysis, uncertaintities in measurement. | -classify measurement in physics, express the derived quantities.  -explain length measuring instrument.  -explain measurement of time. | -List any three length measuring instruments.  -Differentiate between frequency and period of oscillation  -What is density  -Define relative density. |
| 2. | **MOTION** | Types of motion, relative motion, scalars and vectors, position, distance and displacement, speed and velocity, types of speed, velocity- time graph | -Explain types of motion.  -differentiate between scalar and vector quantities  -explain speed, velocity and acceleration. | -What is motion  -differentiate between dynamics and kinematics  -Describe the types of motion  -Differentiate between scalar and vector quantities with examples |
| 3. | **FRICTION** | -types of forces, friction, types of friction, laws of solid friction, advantages and disadvantages of friction, methods of reducing friction | -Explain types of force  -state the law of friction.  -state the advantages and disadvantages of friction.  -list the method of reducing friction. | -What is friction  -Differentiate between contact force and field force with examples  -Mention any three methods of reducing.  -state the laws of solid friction. |
| 4. | **UNIFORM CIRCULAR MOTION** | Centripetal acceleration, centripetal forces, characteristics of circular motion, centrifugal force, motion in a vertical circle, application of centripetal and centrifugal forces and angular motion | -define centripetal acceleration.  -mention the characteristics of circular motion  -explain centrifugal force  -Define circular moion. | -Define centripetal acceleration.  -What is uniform circular motion.  -List three properties of circular motion  -What is centrifugal force. |