**Learning Unit**

**The Department of Science Level of Students: M. 2**

**Subject Code: SC20203 Subject: Universal Science 3**

**Number of Credit: 1.0 Time: 40 Periods**

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| **Learning Unit** | **Time/ hours** | **Learners’ Key Competencies - Activities** | **Teaching Materials** | **Evaluation Tools** |
| **1. Measurement of Substances**1.1 Physical Quantities1.2 Measurement of Length1.3 Measurement of Time1.4 Measurement of Area and Volume1.5 Measurement of Mass and Weight | **10**2222 2 | **Learners’ Key Competencies** thinking capability problem solving capability scientific process, and scientific skills**Activities**5E Model | 1. Textbook
2. Supplementary Sheets
3. Work sheets
4. PowerPoint Presentation
5. Websites
6. Learning Resources Centre
7. Laboratory Apparatus
 | 1. Quizzes
2. Tests
3. Exercises
4. Concept Mapping
5. Observation form
6. Behavior

Observation  |

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| **2. Forces**2.1 Force and Motion2.2 Types of Forces2.3 Friction2.4 Gravitational Force2.5 Electric Force2.6 Magnetic Force2.7 Pressure , Buoyancy, Sinking and Floating2.8 Torque and Rotation2.9 Equilibrium and Restoring Force2.10 Vibration and Sound2.11 Simple Machines | **20**11112222224 | **Learners’ Key Competencies** thinking capability problem solving capability scientific process, and scientific skills**Activities**5E Model | 1. Textbook2. Supplementary Sheets3. Work sheets4. PowerPoint Presentation5. Websites6. Learning Resources Centre7. Laboratory Apparatus | 1. Quizzes2. Tests3. Exercises4. Concept Mapping5. Observation form6. Behavior Observation  |

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| **3. Geology**3.1 Internal Structure of the Earth3.2 Erosion of the Earth’ Surface3.3 Soil3.4 Petroleum3.5 Water Cycle | **10**22222 | **Learners’ Key Competencies** thinking capability problem solving capability scientific process, and scientific skills**Activities**5E Model | 1. Textbook2. Supplementary Sheets3. Work sheets4. PowerPoint Presentation5. Websites6. Learning Resources Centre7. Laboratory Apparatus | 1. Quizzes2. Tests3. Exercises4. Concept Mapping5. Observation form6. Behavior Observation  |