**Learning Unit**

**The Department of Science Level of Students: M. 3**

**Subject Code: SC20206 Subject: Universal Science 6**

**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. Light**1.1 How We See Things1.2 Lenses and Optical Instruments1.3 The Brightness of Light and Eye Damage | **10**442 | **Learners’ Key Competencies** thinking capability problem solving capability scientific process, and scientific skills**Activities**5E Mode | 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. Mind-map
5. Observation form
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| **2. Astronomy**2.1 Why Planets Orbit the Sun2.2 How Seasons are Caused2.3 Plases of the Moon2.4 Moonrise , Moonset and Tides2.5 Space Technology | **10**  22222 |
| **3. Chemical Substances**3.1 Chemical Reactions3.2 Chemical Equations and Conservation of mass3.3 Endothermic and Exothermic Reactions3.4 Acidsand Bases3.5 Some Important Chemical Reactions3.6 Solving Everyday Problems with Chemical Reactions3.7 Ceramics , Polymers and Composite Materials | **20**  4424222 |