|  |  |  |  |
| --- | --- | --- | --- |
| Title | **Apply basic numeracy skills in different life contexts** | | |
| Level | **1** | **Credits** | **2** |

|  |  |
| --- | --- |
| Purpose | This competency standard is intended to assist people in applying basic numeracy skills in different life contexts. People holding credit for this competency standard are able to: Apply knowledge and conventions of common shapes to represent real life objects; Measure materials or objects; perform basic calculations associated with money, and time; use and create tables and graphs to represent and interpret public information; and apply simple formulae to solve arithmetic problems in real life contexts. |

|  |  |
| --- | --- |
| Classification ISCED | 0713 Electricity and energy |

|  |  |
| --- | --- |
| Available grade | Competent / Not yet competent |

|  |  |
| --- | --- |
| Modification history | N/A |

|  |  |  |
| --- | --- | --- |
| **Competency Unit** | **Performance Criteria** | **Knowledge and Understanding** |
| **E1:**  **Apply knowledge and conventions of common shapes to represent real life objects** | **P1-** Identify and name common two and three-dimensional shapes  **P2-** Represent two and three-dimensional shapes and objects in diagrammatic form  **P3-** Assemble simple three-dimensional objects | **K1-** Types and terminology of common shapes  **K2-** Differentiation between two and three dimensional shapes / objects  **K3-** Differentiation between two and three dimensional shapes / objects |
| **E2:**  **Measure materials or objects** | **P1-** Identify and use measuring instruments  **P2-** Apply simple formulae to calculate area and volume of regular shapes | **K1-** Types and purpose of measuring instruments  **K2-** Units of measurement and abbreviations |
| **E3:**  **Perform basic calculations associated with money, and time** | **P1-** Perform simple calculations involving time  **P2-** Convert fractions, decimals, and percentages  **P3-** Perform simple calculations involving money | **K1-** Rounding techniques  **K2-** Types of fractions  **K3-** Rounding techniques |
| **E4:**  **Use and create tables and graphs to represent and interpret public information** | **P1-** Identify and interpret key features of everyday tables and graphs  **P2-** Collect, sort and record data in a table  **P3-** Construct and label simple graphs | **K1-** Different types of tables and graphs  **K2-** Preparation of basic data, tables & graphs  **K3-** Meaning of graphs, such as increasing, decreasing, and constant value |
| **E5:**  **Apply simple formulae to solve arithmetic problems in real life contexts** | **P1-** Basic formula of power, current and voltage calculations.  **P2-** Verify solutions to simple arithmetic problems | **K1-** Interpretation of simple formula & algebraic expression  **K2-** Arithmetic problems and solutions |