Unit 1 Personal Numeracy, Module 1 Focus Areas – Location and Systematics Sharing Our Plans

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| **Excelling** | Orally describes how to get to a location OR demonstrates ability to lead others to location | Uses maps and technologies to locate places | Uses informal language to describe location of places either verbally or with AAC. | Problem solves to find information to input data into technological systems | Reads and responds to data outputs | Describes the data output and what can be done with it | Locates, interprets and defines mathematics and creates a plan to investigate | Implements mathematics with appropriate technology, following estimation | Checks estimations/process and reviews appropriateness of method and results | Uses mathematical representation, oral language and technology to represent the task | Uses a range of highly familiar tools appropriately | Comprehends inputs and outputs of highly familiar technology | Uses highly familiar technology to compute problems/ explore results | Reflects on technology use and outputs in real-world contexts |
| **Achieving** | Orally describes or leads others to location with appropriate scaffolding | Uses maps and technologies with appropriate scaffolding to locate places | Uses informal language to describe location of places with appropriate scaffolding | With appropriate scaffolding, breaks down problems to find information and input data into technological systems | With appropriate scaffolding, conveys comprehension of data outputs | With appropriate scaffolding, acts on data output | Locates, interprets and defines mathematics and creates a plan to investigate with appropriate scaffolding | Implements mathematics with appropriate technology, following estimation with appropriate scaffolding | Checks estimations/process and reviews appropriateness of method and results with appropriate scaffolding | Uses mathematical representation, oral language and technology to represent the task with appropriate scaffolding | Uses a range of highly familiar tools appropriately with appropriate scaffolding | Comprehends inputs and outputs of highly familiar technology with appropriate scaffolding | Uses highly familiar technology to compute problems/ explore results with appropriate scaffolding | Reflects on technology use and outputs in real-world contexts with appropriate scaffolding |
| **Satisfactory** | Labels 1-2 locations and demonstrates use of some directional language when prompted | Locates 1-2 places using maps and technologies with significant scaffolding | Uses 4-5 direction words in context to find a location | Inputs information into technological systems | Completes actions to demonstrate that an output has been created and can be followed | Makes attempts to follow data output | Describes the mathematical operations and tools required once provided the mathematics | Implements the mathematics once given the appropriate technology and lead through steps | Compares estimations to results. Suggests an explanation | Represents the task with 2 elements: mathematical representation; oral language’ technology | Uses 2-3 tools appropriately to find a solution | Comprehends the inputs and outputs of 2-3 tools | Uses 2-3 tools to compute problems/explore results | Reflects on the use and outputs of technology in real-world contexts |
| **Not yet satisfactory** | Emerging awareness of directional language and labelling of locations | Emerging awareness that maps and technologies relate to vicinity | Demonstrates comprehension of direction words | Holds technological systems appropriately | Acknowledges that technological systems can provide information | Acknowledges that technological systems can provide information | Follows a plan to respond to the mathematics | Demonstrates awareness of appropriate use of technology | Compares estimations to results | Communicates the answer | Uses 1 tool appropriately to find a solution | Comprehends the inputs and outputs of 1 tool | Uses 1 tool to compute problems/ explore results | Identifies the output of technology and its context |
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| **Criteria** | **Location and direction in a real-life context** | **Location and direction with digital and analogue solutions** | **Use of oral directions to describe location** | **Find common information by inputting data** | **Read data outputs** | **Summarise information from data** | **Identify the mathematics** | **Act on and use mathematics** | **Evaluate and reflect** | **Communicate and report** | **Use of tools** | **Ability to interpret inputs and outputs** | **Uses tools appropriately to obtain results** | **Reflects on technology** |
| **Learning Requirement 1**  **Focus Area: Location** | | | **Learning Requirement 1**  **Focus Area: Systematics** | | | **Learning Requirement 2**  **Problem-Solving Cycle** | | | | **Learning Requirement 3**  **Mathematical Toolkit** | | | |