Unit 3 Recreational Numeracy, AOS 3: Quantity and Measure

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| **Excelling** | Shows excellent confidence using the numeracy contexts in all tasks | Comprehensive ability to perform all calculations accurately | Comprehensive ability of reading, interpreting and converting the units. | Comprehensively shows confidence working with analogue equipment for both AOS | Shows confidence in selecting and working with digital tools for both AOS | Can confidently select the most appropriate tool as needed (analogue or digital) and justify its use within the context | Can provide thorough details when identifying the purpose of the task, and identify the mathematics involved | Can provide thorough details when performing the mathematics calculations and processes accurately | Can provide thorough details when reflecting on results, looks for accuracies and inaccuracies, and reflect on processes | Can provide thoroughly effective methods to communicate details; and can effectively communicate findings |
| **Achieving** | Works consistently with numeracy contexts in all tasks | Consistent use of calculations with occasional support | Consistent use of reading, interpreting and converting the units. | Consistently attempts to work with analogue equipment with both AOS | Can select and work with an array of different digital tools for both AOS | Can consistently select the most appropriate tool as needed (analogue or digital) and justify its use within the context | Can provide details to the purpose of the task and the mathematics involved | Can provide details when performing the mathematics calculations and processes accurately | Can provide details when reflecting on results, looks for accuracies and inaccuracies, and reflect on processes | Can choose effective methods to communicate details; and can effectively communicate findings |
| **Satisfactory** | Uses support to understand how the mathematics and contexts relates | Some accurate use of calculations | Demonstrates some accurate reading, interpreting and/or converting of units. | Satisfactory use of selected analogue tools, needing some support to use with accuracy | Satisfactory use of selected digital tools, needing some support to use with accuracy | Satisfactory selection process but lacks justification within the context | Satisfactory identification of the purpose and the mathematics | Satisfactory details when performing the mathematics calculations and processes accurately | Satisfactory details when reflecting on results, looks for accuracies and inaccuracies, and reflection on processes | Satisfactory details when communicating findings |
| **Not yet satisfactory** | Has limited understanding of how the contexts work with the mathematics | Limited understanding of calculations | Shows limited ability to read, interpret and convert units. | Shows limited understanding of selecting the most appropriate analogue tool/how to use it | Shows limited understanding of selecting the most appropriate digital tool/how to use it | Shows limited understanding of selecting the best tool and connecting it to the context | Limited identification of the purpose and the mathematics | Limited details provided when performing the mathematics calculations and processes accurately | Limited details when reflecting, looking for accuracies and inaccuracies, and reflection on process | Limited details communicating findings; messages being communicated are unclear and hard to understand |
| Not Shown | Not Shown | Not Shown. | Not Shown | Not Shown | Not Shown | Not Shown | Not Shown | Not Shown | Not Shown |
| **Criteria** | **Recreational Numeracy context (Numeracy)** | **Can undertake and perform calculations** | **Can read and interpret units, and can convert a range of units.** | **Using a variety of analogue tools** | **Using a variety of digital tools** | **Can select the appropriate tool** | **Step 1****Identify the mathematics** | **Step 2****Act on and use the mathematics** | **Step 3****Evaluate and reflect** | **Step 4****Communicate and report** |
| **Outcome 1** | **Outcome 3** | **Outcome 2** |
| Unit 3Recreational NumeracyAOS 3 Quantity and Measure | Mathematical Toolkit | Problem Solving Cycle |