**MATHEMATICS STAGE 1**

**TEACHING AND LEARNING OVERVIEW**

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| TERM: 1 | WEEK: 9 | STRAND: Number and Algebra | **SUB-STRAND:** Whole Numbers 2 | **WORKING MATHEMATICALLY:** MA1-3WM & MA12WM |
| OUTCOMES:  | * MA1-1WM describes mathematical situations and methods using everyday and some mathematical language, actions, materials, diagrams and symbols
* MA1-2WM uses objects, diagrams and technology to explore mathematical problems
* MA1-3WM supports conclusions by explaining or demonstrating how answers were obtained
* MA1-4NA applies place value, informally, to count, order, read and represent two- and three-digit numbers
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| **CONTENT:**  | The following unit is incomplete. If you have taught or have any units that match this content please email to lauren.dawson16@det.nsw.edu.au (Glenmore Park Learning Alliance).**Recognise, model, represent and order numbers to at least 1000 (ACMNA027)** • represent three-digit numbers using objects, pictures, words and numerals • use the terms 'more than' and 'less than' to compare numbers • arrange numbers of up to three digits in ascending order• use number lines and number charts beyond 100 to assist with counting and ordering (Communicating, Problem Solving)• give reasons for placing a set of numbers in a particular order (Communicating, Reasoning)  |
| ASSESSMENT FOR LEARNING(PRE-ASSESSMENT) |  |
| WARM UP / DRILL |  |
| TENS ACTIVITYNEWMAN’S PROBLEMINVESTIGATION  |  |
| QUALITY TEACHING ELEMENTS | **INTELLECTUAL QUALITY** | **QUALITY LEARNING ENVIRONMENT** | **SIGNIFICANCE** |
| * Deep knowledge
* Deep understanding
* **Problematic knowledge**
* Higher-order thinking
* **Metalanguage**
* Substantive communication
 | * Explicit quality criteria
* **Engagement**
* High expectations
* Social support
* **Students’ self-regulation**
* Student direction
 | * Background knowledge
* Cultural knowledge
* **Knowledge integration**
* Inclusivity
* Connectedness
* Narrative
 |
| RESOURCES |   |

**TEACHING AND LEARNING EXPERIENCE**

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| WHOLE CLASS INSTRUCTION MODELLED ACTIVITIES | GUIDED & INDEPENDENT ACTIVITIES |
| **Explicit Teaching** | LEARNING SEQUENCERemediationES1LEARNING SEQUENCES1  |  |
| LEARNING SEQUENCEExtension Early S2 |   |
| EVALUATION & REFLECTION | Student engagement: Achievement of outcomes:Resources: Follow up: |
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