Early Stage 1 mathematics scope and sequence

The scope and sequence includes the strand, substrand and outcomes for each term.

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## Semester 1

Students develop understanding and fluency in mathematics through inquiry, exploring and connecting mathematical concepts, choosing and applying problem-solving skills and mathematical techniques, communication and reasoning. The five inter-related components of working mathematically are communicating, problem-solving, reasoning, understanding and fluency. These components describe how content is explored or developed – the thinking and doing of mathematics.

### Working mathematically

Working mathematically has a separate set of outcomes for the components Communicating, Problem solving and Reasoning. Understanding and Fluency components do not have an outcome. These components are embedded in the development of knowledge, skills and understanding.

#### Working mathematically outcomes

* MAe-1WM, MAe-2WM, MAe-3WM.

### Early Term 1

|  |  |  |
| --- | --- | --- |
| Strand | Substrand | Outcomes |
| Number and algebra | Whole number, addition and subtraction | MAe-1WM, MAe-2WM, MAe-3WM, MAe-4NA, MAe-5NA |
| Measurement and geometry | Length, time, two-dimensional space, position | MAe-1WM, MAe-2WM, MAe-3WM, MAe-9MG, MAe-13MG, MAe-15MG, MAe-16MG |
| Statistics and probability | Data | MAe-1WM, MAe-2WM, MAe-3WM, MAe-17SP |

### Later Term 1

|  |  |  |
| --- | --- | --- |
| Strand | Substrand | Outcomes |
| Number and algebra | Whole numbers, addition and subtraction, patterns and algebra | MAe-1WM, MAe-2WM, MAe-3WM, MAe-4NA, MAe-5NA, MAe-8NA |
| Measurement and geometry | Area, time, two-dimensional space, position | MAe-1WM, MAe-2WM, MAe-3WM, MAe-10MG, MAe-13MG, MAe-15MG, MAe-16MG |

### Early Term 2

|  |  |  |
| --- | --- | --- |
| Strand | Substrand | Outcomes |
| Number and algebra | Whole number, addition and subtraction | MAe-1WM, MAe-2WM, MAe-3WM, MAe-4NA, MAe-5NA |
| Measurement and geometry | Volume and capacity, time, three-dimensional space, position | MAe-1WM, MAe-2WM, MAe-3WM, MAe-11MG, MAe-13MG, MAe-14MG, MAe-16MG |
| Statistics and probability | Data | MAe-1WM, MAe-2WM, MAe-3WM, MAe-17SP |

### Later Term 2

|  |  |  |
| --- | --- | --- |
| Strand | Substrand | Outcomes |
| Number and algebra | Whole numbers, multiplication and division, fractions and decimals, patterns and algebra | MAe-1WM, MAe-2WM, MAe-3WM, MAe-4NA, MAe-6NA, MAe-7NA, MAe-8NA |
| Measurement and geometry | Mass, time, three-dimensional space | MAe-1WM, MAe-2WM, MAe-3WM, MAe-12MG, MAe-13MG, MAe-14MG |

## Semester 2

Students develop understanding and fluency in mathematics through inquiry, exploring and connecting mathematical concepts, choosing and applying problem-solving skills and mathematical techniques, communication and reasoning. The five inter-related components of working mathematically are communicating, problem-solving, reasoning, understanding and fluency. These components describe how content is explored or developed – the thinking and doing of mathematics.

### Working mathematically

Working mathematically has a separate set of outcomes for the components Communicating, Problem solving and Reasoning. Understanding and Fluency components do not have an outcome. These components are embedded in the development of knowledge, skills and understanding.

Working mathematically outcomes

* MAe-1WM, MAe-2WM, MAe-3WM.

### Early Term 3

|  |  |  |
| --- | --- | --- |
| Strand | Substrand | Outcomes |
| Number and algebra | Whole numbers, addition and subtraction | MAe-1WM, MAe-2WM, MAe-3WM, MAe-4NA, MAe-5NA |
| Measurement and geometry | Length, time, two-dimensional space, position | MAe-1WM, MAe-2WM, MAe-3WM, MAe-9MG, MAe-13MG, MAe-15MG, MAe-16MG |
| Statistics and probability | Data | MAe-1WM, MAe-2WM, MAe-3WM, MAe-17SP |

### Later Term 3

|  |  |  |
| --- | --- | --- |
| Strand | Substrand | Outcomes |
| Number and algebra | Whole numbers, addition and subtraction, patterns and algebra | MAe-1WM, MAe-2WM, MAe-3WM, MAe-4NA, MAe-5NA, MAe-8NA |
| Measurement and geometry | Area, time, two-dimensional space | MAe-1WM, MAe-2WM, MAe-3WM, MAe-10MG, MAe-13MG, MAe-15MG |

### Early Term 4

|  |  |  |
| --- | --- | --- |
| Strand | Substrand | Outcomes |
| Number and algebra | Whole numbers, addition and subtraction, fractions and decimals | MAe-1WM, MAe-2WM, MAe-3WM, MAe-4NA, MAe-5NA, MAe-7NA |
| Measurement and geometry | Volume and capacity, time, three-dimensional space | MAe-1WM, MAe-2WM, MAe-3WM, MAe-11MG, MAe-13MG, MAe-14MG |
| Statistics and probability | Data | MAe-1WM, MAe-2WM, MAe-3WM, MAe-17SP |

### Later Term 4

|  |  |  |
| --- | --- | --- |
| Strand | Substrand | Outcomes |
| Number and algebra | Whole numbers, multiplication and division, patterns and algebra | MAe-1WM, MAe-2WM, MAe-3WM, MAe-4NA, MAe-6NA, MAe-8NA |
| Measurement and geometry | Mass, time, position | MAe-1WM, MAe-2WM, MAe-3WM, MAe-12MG, MAe-13MG, MAe-16MG |