Year 1 Mathematics

Achievement Standard

By the end of Year 1, students describe number sequences resulting from skip counting by 2s, 5s and 10s. They identify representations of one half. They recognise Australian coins according to their value. Students explain time durations. They describe two-dimensional shapes and three-dimensional objects. Students describe data displays.

Students count to and from 100 and locate numbers on a number line. They carry out simple additions and subtractions using counting strategies. They partition numbers using place value. They continue simple patterns involving numbers and objects. Students order objects based on lengths and capacities using informal units. They tell time to the half hour. They use the language of direction to move from place to place. Students classify outcomes of simple familiar events. They collect data by asking questions and draw simple data displays and make simple inferences.

Assessable Elements

An overall level of achievement in this subject is determined by the teacher's on-balance judgment of the evidence presented in students' summative assessment across the following strands:

- **Number and Algebra**
  Number and place value; Fractions and decimals; Money and financial mathematics; Patterns and algebra.

- **Measurement and Geography**
  Using units of measurement; Shape; Geometric reasoning; Location and transformation.

- **Statistics and probability**
  Chance; Data representation and interpretation.

Delivery (mode, time requirements, lessons)

Students have access to three 1 hour scheduled lessons each week. Lessons are delivered via our Learning Management System. Students are also expected to undertake Home Tutor guided study to complete tasks and assessment in accordance with the Work Rate Calendar.

Student Requirements

Computer, internet access, email, printer, scanner, headset with microphone, stationery, manipulative materials, whiteboard and whiteboard markers.

Year 1 Mathematics (Semester 1)

		Units, Learning Experiences and Summative Assessment
Semester 1	**Term 1**	**Unit 1** **Number and place value** Count numbers, represent the ones counting sequence to and from 100 from any starting point, represent and record the twos counting sequence, represent and order 'teen' numbers, show standard partitioning of teen numbers, flexibly partition teen numbers, describe teen numbers referring to the ten and ones, describe growth patterns, represent two-digit numbers, represent, record and solve simple addition and subtraction problems, investigate parts and whole of quantities, investigate subtraction and explore commutativity **Using units of measurement** Sequence days of the week and months of the year, investigate the features and function of calendars, record significant events, compare time durations, investigate length, compare lengths using direct comparisons, make indirect comparisons of length, measure lengths using uniform informal units **Chance** Describe the outcomes of familiar events **Data representation and interpretation** Ask a suitable question for gathering data, gather, record and represent data
		Summative Assessment: • **Task 1** - Understanding teen numbers • **Task 2 -** Classifying outcomes.
	Term 2	**Unit 2** **Number and place value** Represent and record counting sequences, partition two-digit numbers, represent and record the tens number sequence, investigate quantities and equality, represent two-digit numbers, standard partitioning of two-digit numbers, model double facts, identify and describe addition and subtraction situations, apply addition strategies, solve subtraction problems, connect addition and subtraction, represent, record and solve simple addition problems. **Fractions and decimals** Investigate wholes and halves, partition to make equal parts **Money and financial mathematics** explore features of Australian coins **Patterns and algebra** Investigate and describe repeating and growing patterns, connect counting sequences to growth patterns, represent the tens number sequence, represent and record counting sequences, describe number patterns **Using units of measurement** Describe the duration of an hour, explore and tell time to the hour **Shape** Investigate the features of two-dimensional shapes and three-dimensional objects, and describe two-dimensional shapes and three-dimensional objects **Location and transformation** explore and describe location, investigate and describe position, direction and movement, interpret directions
		Summative Assessment: • Using the language of direction; Describing two-dimensional shapes and three-dimensional objects. • Recognising Australian coins

Year 1 Mathematics (Semester 2)

Units, Learning Experiences and Summative Assessment

<table>
<tr><td rowspan="4">Semester 2</td><td rowspan="2">Term 3</td><td>

Unit 3
Number and place value
Recall, represent and count collections, position and locate numbers on linear representations, represent and record two-digit numbers, identify digit values, flexibly partition two-digit numbers, partition numbers into more than two parts, add single and two-digit numbers, represent, explore doubling and halving, record and solve simple addition and subtraction problems.
Money and financial mathematics
Recognise, describe and order Australian coins according to their value.
Patterns and algebra
Recall the ones, twos and tens counting sequences, identify number patterns, represent the fives number sequence.
Using units of measurement
Compare and measure lengths using uniform informal units, order objects based on length, explore capacity, measure capacity using uniform informal units, order objects based on capacity, describe durations in time, tell time to the half hour, represent times on digital and analog clocks.
Shape
Identify and describe familiar two-dimensional shapes, describe geometric features of three-dimensional objects.
Location and transformation
Give and follow directions, investigate position, direction and movement.

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Summative Assessment:
- Measuring using informal units; Explaining durations and telling time; Understanding number sequences and recognising Australian coins.

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<tr><td rowspan="2">Term 4</td><td>

Unit 4
Number and place value
Count collections beyond 100; describe patterns created by skip counting; skip count in 1s, 2s, 5s and 10s; identify missing elements; identify standard place value partitions of two-digit numbers; record numerals and number names for two-digit numbers; position and locate two-digit numbers on a number line; partition a number into more than two parts; explain how the order of parts does not affect the total; identify compatible numbers to 10; use compatible numbers to ten to add, describe addition and subtraction processes; use addition facts to solve problems; subtract a multiple of ten from a two-digit number; identify unknown parts in addition and subtraction; solve addition and subtraction problems mental strategies for addition and subtraction problems; recall addition and subtraction number facts.
Fractions
Identify one half.
Patterns and algebra
Describe and represent growing patterns, apply a pattern rule to continue a growing pattern, describe patterns resulting from addition and subtraction, represent addition and subtraction number patterns.
Chance
Identify the chance of events occurring, predict outcomes of familiar events.
Data representation and interpretation
Ask suitable questions to collect data, collect and represent data.

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Summative Assessment:
- **Task 1 -** Identifying one half
- **Task 2 –** Making inferences from collected data
- **Task 3 -** Adding and subtracting using counting strategies.

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Disclaimer   All of the above information is accurate at the time of development.