

# Stage 1 Mathematics



## STAGE STATEMENT

### **Mathematics Stage 1**

By the end of Stage 1, students ask questions and use known facts, objects, diagrams and technology to explore mathematical problems and develop mathematical fluency. They link mathematical ideas and use appropriate language and diagrams to explain strategies used.

Students count, order, read and write two- and three-digit numbers and use a range of strategies and recording methods. They use mental strategies and concrete materials to add, subtract, multiply and divide, and solve problems. Students model and describe objects and collections divided into halves, quarters and eighths. They associate collections of Australian coins with their value. They use place value to partition numbers. Students describe and continue a variety of number patterns and build number relationships. They relate addition and subtraction facts for sums to at least 20.

Students estimate, measure, compare and record using informal units for length, area, volume, capacity and mass. They recognise the need for formal units of length and use the metre and centimetre to measure length and distance. They use a calendar to identify the date and name and order the months and the seasons of the year. Students use informal units to compare and order the duration of events and tell the time on the half- and quarter-hour. They identify, describe, sort and model particular three-dimensional objects and two-dimensional shapes. Students represent and describe the position of objects and interpret simple maps.

Students collect, organise, display and interpret data using lists, tables and picture graphs. They recognise and describe the element of chance in everyday events.

## OUTCOMES

Mathematics Outcomes	Stage 1
<b>Mathematics K-10</b>	
MA-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	
MA1-5NA- uses a range of strategies and informal recording methods for addition and subtraction involving one- and two-digit numbers	
MA1-6NA- uses a range of mental strategies and concrete materials for multiplication and division	
MA1-7NA- represents and models halves, quarters and eighths	
MA1-8NA- creates, represents and continues a variety of patterns with numbers and objects	
MA1-9MG- measures, records, compares and estimates lengths and distances using uniform informal units, metres and centimetres	
MA1-10MG- measures, records, compares and estimates areas using uniform informal units	
MA1-11MG measures, records, compares and estimates volumes and capacities using uniform informal units	
MA1-12MG- measures, records, compares and estimates the masses of objects using uniform informal units	
MA1-13MG- describes, compares and orders durations of events, and reads half- and quarter-hour time	
MA1-14MG- sorts, describes, represents and recognizes familiar three-dimensional objects, including cones, cubes, cylinders, spheres and prisms	
MA1-15MG- manipulates, sorts, represents, describes and explores two dimensional shapes, including quadrilaterals, pentagons, hexagons and octagons	
MA1-16MG represents and describes the positions of objects in everyday situations and on maps	
MA1-17SP- gathers and organizes data, displays data in lists, tables and picture graphs, and interprets the results	
MA1-18SP- recognizes and describes the element of chance in everyday events	