West Torrens Partnership *(Draft 15/09/14)*	Australian Curriculum Mathematics V7.0	Foundation Year

Year Level Description

The proficiency strands *Understanding, Fluency, Problem Solving* and *Reasoning* are an integral part of mathematics content across the three content strands: *Number and Algebra, Measurement and Geometry,* and *Statistics and Probability*. The proficiencies reinforce the significance of working mathematically within the content and describe how the content is explored or developed. They provide the language to build in the developmental aspects of the learning of mathematics.

At this year level:

- *Understanding* includes connecting names, numerals and quantities
- *Fluency* includes readily counting numbers in sequences, continuing patterns, and comparing the lengths of objects
- *Problem Solving* includes using materials to model authentic problems, sorting objects, using familiar counting sequences to solve unfamiliar problems, and discussing the reasonableness of the answer
- *Reasoning* includes explaining comparisons of quantities, creating patterns, and explaining processes for indirect comparison of length

Achievement Standard

By the end of the Foundation year, students make connections between number names, numerals and quantities up to 10. They compare objects using mass, length and capacity. Students connect events and the days of the week. They explain the order and duration of events. They use appropriate language to describe location.

Students count to and from 20 and order small collections. They group objects based on common characteristics and sort shapes and objects. Students answer simple questions to collect information.

Content Descriptors

Number and Algebra	Measurement and Geometry	Statistics and Probability
• Establish understanding of the language and processes of counting by naming numbers in sequences, initially to and from 20, moving from any starting point • Connect number names, numerals and quantities, including zero, initially up to 10 then beyond • Subitise small collections of objects • Compare, order and make correspondences between collections initially up to 20, and explain reasoning • Represent practical situations to model addition and sharing • Sort and classify familiar objects and explain the basis for these classifications. Copy, continue and create patterns with objects and drawings	• Use direct and indirect comparisons to decide which is longer, heavier or holds more, and explain reasoning in everyday language • Compare and order the duration of events using the everyday language of time • Connect days of the week to familiar events and actions • Sort, describe and name familiar two-dimensional shapes and three-dimensional objects in the environment • Describe position and movement	• Answers yes/ no questions to collect information

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