

AIS Maths Curriculum Overview

Pre-School

By the end of Pre-School students will:

Data Handling

- begin to discuss and identify outcomes that will happen, won't happen and might happen.
- sort real objects into *sets* by attributes.
- begin to create a graph of real objects in a group situation.

Measurement

- begin to identify, compare and describe attributes of real objects and situations: longer, shorter, heavier, empty, full, hotter, colder.
- identify, compare and sequence events in their daily routine: before, after, bedtime, story-time.
- begin to discuss aspects of time; e.g. today and tomorrow.

Shape and Space

- begin to sort, describe and compare simple 2-D and 3-D *shapes* according to attributes such as size or form.
- begin to explore and describe the paths, regions and boundaries of their immediate environment (inside, outside, above, below) and their position (next to, behind, in front of, up, down).

Pattern and Function

- begin to find and describe simple *patterns*.
- create simple *patterns* using real objects. (ABAB)

Number

- read numbers to 10
- begin to *model* numbers to 10
- count, and order numbers to 10
- begin to compare numbers to 10
- begin to use *ordinal numbers* to describe the position of things in a sequence (1st, 2nd, 3rd)
- begin to use the language of mathematics: more, less and number names.
- use *1-1 correspondence*
- begin to explore the *conservation* of number through the use of *manipulatives* (... = ...)