SPECIFIC AREA 2

Policy Statement: Mathematics

Mathematics involves providing children with opportunities to develop and improve their skills in counting, understanding and using numbers, and calculating simple addition and subtraction problems, and to describe shapes, spaces and measures.

Early Learning Goals should normally be achieved when a child completes their first year in a Reception class, around the time of their fifth birthday. By the end of the Reception year children should be able to:

Aspect 1: Numbers

- count reliably with numbers from 1 – 20, place them in order and say which number is one more or one less than a given number
- use quantities and objects, add and subtract two single digit numbers and count on or back to find the answer
- solve problems including doubling, halving and sharing

Aspect 2: Shape, space and measures

- use everyday language to talk about size, weight, capacity, position, distance, time and money to compare quantities and objects and to solve problems
- recognise, create and describe patterns
- explore characteristics of everyday objects and shapes and use mathematical language to describe them

Development Matters gives detailed guidelines on the expected developmental progression which supports children in working towards the Early Learning Goals. In our Montessori settings we provide the following activities to support them:

Aspect 1: Numbers

At Horsham Montessori each child:

- finds many activities to gain hands-on experiences of quantity
- learns names of numbers and shapes
- learns to count and understand the connection between number and quantity
- is introduced to size and measuring
- is encouraged to playfully solve problems through logical thinking

Aspect 2: Shape, space and measures

At Horsham Montessori each child:

- finds many activities to gain hands-on experiences of shape
- learns to sort, match and make patterns
- learns names of numbers and shapes
- finds ample opportunities to develop their mathematical mind, i.e. their inborn tendency towards mathematics through observing, contrasting, comparing, and classifying

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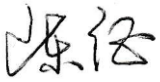
Signature: 

Version Control Record: Learning & Development: Mathematics

Version Number	Changes Made	Date	Person Responsible
L&DP1_M	Created	01/12/2013	Thea Bredie
L&DP2_M	Reviewed & updated	18/01/2015	Thea Bredie
L&DP3_M	Reviewed	04/01/2016	Thea Bredie
L&DP4_M	Reviewed	04/04/2017	Jacky Brown