

MATHEMATICS

PUBLIC SCHOOLS

MONTESSORI SCHOOLS

<u>Grade</u>		<u>Ages</u> (not grades)	
K	Counts and writes to twenty	4-6+	Consolidates the decimal system and the nature of the four operations: addition, subtraction, multiplication and division
1st	Addition	6+	Addition and subtraction
2nd	Subtraction	6-7	Multiplication and division
			Identifies the different kinds of lines, angles, quadrilaterals, polygons. Evaluates the relative size and shape of figures in terms of similarity, equivalency and equality.
3rd	Multiplication	7-8	Fractions
		8-9	Decimals
4th	Division	9	Percent. Is exposed to the formulas to obtain the area of figures and computes areas. Square of a number and square root.
5th	Fractions	10	Cube of a number and cube root. Math in different bases than base ten.
6th	Decimals	10-11	Is exposed to the formulas for volume and computes volumes.

MONTESSORI PRINCIPLES

- ◆ *Montessori is not divided into 1st grade, 2nd grade, 3rd grade, etc.; but rather into 3 year groupings, i.e. 6-8 yrs; 9-12 yrs. The children work at their own pace.*
- ◆ *Montessori evaluates the child through the teacher's observations.*
- ◆ *Montessori does not interrupt the children if working constructively; the children can work until satisfied and completed.*
- ◆ *Montessori does not use programmed texts; the children are in a prepared environment in the classroom where they develop the techniques of how to gain knowledge and skill.*