

Mathematics Development (MD)

Children will begin to develop an understanding of numbers **MD.1**

a Counts by rote **MD.1.A**

b Arranges sets of objects in one-to-one correspondence **MD.1.B**

c Counts objects using one-to-one correspondence **MD.1.C**

d Compares sets of objects using language **MD.1.D**

e Begins to understand concept of part and whole using real objects **MD.1.E**

f Begins to identify ordinal numbers **MD.1.F**

g Associates numeral name with set of objects **MD.1.G**

h Begins to understand the concept of currency as a means of exchange **MD.1.H**

i Begins to understand the concept of estimation **MD.1.I**

j Begins to recognize numbers **MD.1.J**

Children will create and duplicate simple patterns **MD.2**

a Copies a pattern using sounds or physical movements **MD.2.A**

b Recognizes and reproduces simple patterns of objects **MD.2.B**

c Reproduces and extends a pattern using objects **MD.2.C**

d Independently creates patterns using objects **MD.2.D**

e Spontaneously recognizes and identifies patterns in the environment **MD.2.E**

Children will sort and classify objects **MD.3**

a Matches like objects **MD.3.A**

b Sorts objects using one characteristic **MD.3.B**

c Classifies objects using more than one characteristic **MD.3.C**

d Sorts and classifies objects using self-selected criteria **MD.3.D**

e Explains sorting or classifying strategy **MD.3.E**

f Participates in creating and using real and pictorial graphs or other simple representations of data MD.3.F

Children will develop a sense of space and an understanding of basic geometric shapes MD.4

a Recognizes, describes and compares basic geometric shapes MD.4.A

b Uses classroom materials to create shapes MD.4.B

c Uses language to indicate where things are in space: positions, directions, distances, order MD.4.C

Children will learn how to use a variety of non-standard and standard means of measurement MD.5

a Associates and describes the passage of time with actual events MD.5.A

b Uses mathematical language to describe experiences involving measurement MD.5.B

c Measures the passage of time using non-standard or standard measures MD.5.C

d Measures the length of objects using non-standard or standard measures MD.5.D

e Measures the volume (capacity) of objects using non-standard or standard measures MD.5.E

f Measures and compares the weight of objects using nonstandard or standard measures MD.5.F

g Orders two or more objects by size (seriation) MD.5.G
