

CURRICULUM FOR “EARLY MATH MATTERS” PROGRAM

Match and Sort

- match two objects that belong to the same set according to a given property, such as colour, size, pattern, function or shape
- identify object by attribute and identify object that does not belong to the set

Numbers to 5

- count and recognize numbers up to 5
- given a set of objects in concrete forms, count them and arrange them in different ways
- read a picture graph
- count and record the number of objects in each set using a picture graph
- represent and record numbers 1 to 5 in writing

Numbers to 10

- count and recognize numbers up to 10
- given a set of objects in concrete forms, count them and arrange them in different ways
- read a picture graph
- count and record the number of objects in each set using a picture graph
- represent and record numbers 1 to 10 in writing

Order

- count and recite numbers from 1 to 10 in order
- observe that from 1 to 10 the numbers are ordered according to the increasing magnitude of the numbers
- observe that from 10 to 1 the numbers are ordered according to the decreasing magnitude of the numbers
- observe that the order of numbers 10 to 1 is the reverse order of numbers from 1 to 10
- order the numbers from 1 to 10 and from 10 to 1

Shapes

- match and sort circles, squares, triangles in concrete and pictorial forms
- identify circle, rectangle, square, triangle
- match and sort cubes, cones, rectangular prisms, spheres, in concrete and pictorial forms
- observe and describe the different shapes that make up the faces of solids
- identify the item that does not belong in a set based on shape

Patterns

- identify, describe, and extend simple patterns by referring to their colours, shapes, size, orientation

Length and Size

- measure the length of objects using a reference object and say how long each object is
- measure the height of objects using a reference object and say how high each object is
- measure both length and height of object
- measure the width of objects in their surroundings using pace, hand span and foot length
- compare the length of two objects of different length and determine which one is shorter / longer
- compare the height of two objects and say which one is shorter / taller
- compare the heights of objects and say which one is shortest or the tallest
- compare the lengths of objects and determine which one is shortest / longest
- compare the size of two objects and say which smaller or bigger

Weight

- compare the weight of two objects and say which is heavier or lighter (concrete)
- measure the weight of different objects using a given set of reference objects

Capacity

- observe and understand that the amount of water does not change when water is transferred from one container to the other
- compare the capacity of different containers and say which can hold more and which can hold less
- measure the capacity of different containers using a given set of reference containers

Compare Sets

- compare the sets of equal size using the phrase “as many as”
- compare the sets of different sizes using the phrases “more than”, “fewer than”
- match things in two sets
- compare two sets