



EY Mathematics Curriculum 2020-2021

Numbers

Vatika	Praveshika
<p>When constructing meaning learners:-</p> <ul style="list-style-type: none"> • Subtilize in real life situations • Understand one to one correspondence. • Model numbers to 100 using the base 10 place value system. • Use the language of mathematics to compare quantities for e.g. more—less. <p>When transferring meaning into symbol learners:-</p> <ul style="list-style-type: none"> • Connect number names and numerals to the quantity they represent • Read and write whole numbers up to hundreds <p>When applying with understanding learners:-</p> <ul style="list-style-type: none"> • Use number words and numerals to represent quantities in real- life situation. • Describe observations about events and objects in real life situations using numbers. 	<p>When constructing meaning Learners:-</p> <ul style="list-style-type: none"> • Understand one-to-one correspondence • Understand that, for a set of objects, the number name of the last object counted describes the quantity of the whole set. • Understand that information about themselves & their surroundings can be obtained in different ways. <p>When transferring meaning into symbol learners:-</p> <ul style="list-style-type: none"> • Connect number names and numerals to the quantities they represent. • Read &write whole numbers up to hundreds or beyond <p>When applying with understanding learners:-</p> <ul style="list-style-type: none"> • Use number words and numerals to represent quantities in real-life situations. • Use the language of mathematics to compare quantities in real-life situations, for example, more, less, first, second • Describe observations about events and objects in real-life situations.

Data handling

Vatika	Praveshika
<p>When constructing meaning learners:-</p> <ul style="list-style-type: none">• Understand that sets can be organized using different attributes.• Understand that information about themselves and their surroundings can be obtained in different ways. <p>When transferring meaning into symbol learners:-</p> <ul style="list-style-type: none">• Sort and label real objects by attributes.• Represent information through pictograph.• Represent information through tally marks.• Identify, compare and describe attributes of real objects <p>When applying with understanding learners:-</p> <ul style="list-style-type: none">• Create pictographs• Describe real objects and events by attributes• Describe observations about events and objects in real life situations	<p>When constructing meaning learners:-</p> <ul style="list-style-type: none">• Understand that information about themselves & their surroundings can be obtained in different ways• Understand that sets can be organized by different attributes <p>When transferring meaning into symbol learners:-</p> <ul style="list-style-type: none">• Collect and represent data in different types of graphs for e.g. Bar graphs, tally graphs.• Represent information through pictographs and tally marks sort and label real objects by attributes. <p>When applying with understanding learners:-</p> <ul style="list-style-type: none">• Describe real objects and events by attributes• Collect, display and interpret data for the purpose of answering questions• Create pictographs and tally marks.• Create living graphs using real objects and people* describe real objects and events by attributes.

Measurement

Vatika	Praveshika
<p>When constructing meaning learners:-</p> <ul style="list-style-type: none">• Understand that attributes of real objects can be compared and described, for example longer, taller, shorter, heavier, lighter, bigger, and smaller. <p>When transferring meaning into symbol learners:-</p> <ul style="list-style-type: none">• Identify, compare and describe attributes of real objects• Compare the length, mass of objects using non- standard units <p>When applying with understanding learners:-</p> <ul style="list-style-type: none">• Use non-standard units of measurement to solve problems in real life situation involving length, mass.	<p>When constructing meaning learners:-</p> <ul style="list-style-type: none">• Understand that attributes of real objects can be compared and described, for example, longer, shorter, heavier, empty, full, hotter, colder,• Understand that tools can be used to measure.• Understand that calendars can be used to determine the date, week and month of a year. <p>When transferring meaning into symbol learners:-</p> <ul style="list-style-type: none">• Identify, compare and describe attributes of real objects, for example, longer, shorter, heavier, empty, full, hotter, and colder. <p>When applying with understanding learners:-</p> <ul style="list-style-type: none">• Use non-standard units of measurement to solve problems in real-life situations involving length and capacity.

Shape and space

Vatika	Praveshika
<p>When constructing meaning learners:-</p> <ul style="list-style-type: none">• Understand that 2d and 3d shapes have characteristics that can be described and compared <p>When transferring meaning into symbol learners:-</p> <ul style="list-style-type: none">• Sort, describe and compare 3d shapes.• Describe position and direction, for example, inside, outside, above, below, next to, behind, in front of, up, down. <p>When applying with understanding learners:-</p> <ul style="list-style-type: none">• 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).	<p>When constructing meaning learners:-</p> <ul style="list-style-type: none">• Understand that 2d and 3d shapes can be described & compared <p>When transferring meaning into symbol learners:-</p> <ul style="list-style-type: none">• Explore and describe the paths, regions & boundaries of their immediate environment (inside, outside, above, below) and their position <p>When applying with understanding learners:-</p> <ul style="list-style-type: none">• 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

Vatika	Praveshika
<p>When constructing meaning learners:-</p> <ul style="list-style-type: none">• Understand that patterns can be found in everyday situations, for example, sounds, actions, objects, nature. <p>When transferring meaning into symbol learners:-</p> <ul style="list-style-type: none">• Describe patterns in various ways, for example, using words, drawings, symbols, materials, actions, numbers. <p>When applying with understanding learners:-</p> <ul style="list-style-type: none">• Extend and create patterns	<p>When constructing meaning learners:-</p> <ul style="list-style-type: none">• Understand that patterns can be found in everyday situations for e.g. Nature, actions etc. <p>When transferring meaning into symbol learners:-</p> <ul style="list-style-type: none">• Describe patterns in various ways, for e.g. Numbers, actions, drawings <p>When applying with understanding learners:-</p> <ul style="list-style-type: none">• Extend and create patterns