

Scope and Sequence Chart

Chapter/ Lesson Title	Lesson Objectives	Curriculum Standards	Learning Competencies
Chapter 1 Describing Objects Around You		<p><i>Content Standards</i></p> <p>The pupil demonstrates an understanding of</p> <ul style="list-style-type: none"> objects in the environment have properties or attributes (e.g., color, size, shapes, and functions) and that objects can be manipulated based on these properties and attributes; and concepts of size, length, height, and weight. <p><i>Performance Standards</i></p> <p>The pupil shall be able to</p> <ul style="list-style-type: none"> manipulate objects based on properties or attributes and use arbitrary measuring tools/means to determine size, length, and weight of things around him/her. 	

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Lesson 1 Naming Different Colors	<ul style="list-style-type: none"> Identify different colors Name objects that have the same color as the given object Color pictures correctly 		<ul style="list-style-type: none"> Describe objects based on attributes/properties (color) Match objects or pictures based on properties/attributes in one-to-one correspondence <ul style="list-style-type: none"> object to object object to picture picture to picture Tell which objects/pictures are the same based on color Describe common objects in the environment based on color
Lesson 2 Naming Different Shapes	<ul style="list-style-type: none"> Identify different shapes Name things that have the same shape as the given object Draw different shapes correctly 		<ul style="list-style-type: none"> Describe objects based on attributes/properties (shapes) Match objects or pictures based on properties/attributes in one-to-one correspondence <ul style="list-style-type: none"> object to object object to picture picture to picture Tell which objects/pictures are the same based on shapes Describe common objects in the environment based on shape Recognize simple shapes in the environment
Lesson 3 Big and Small	<ul style="list-style-type: none"> Identify big and small objects Compare objects based on size Name objects that are big and small 		<ul style="list-style-type: none"> Describe objects based on attributes/properties (size) Match objects or pictures based on properties/attributes in one-to-one correspondence <ul style="list-style-type: none"> object to object object to picture picture to picture Compare objects based on their size (big or small) Tell which objects/pictures are the same based on size Describe common objects in the environment based on size

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Lesson 4 Long and Short	<ul style="list-style-type: none"> Identify long and short objects Compare objects based on length Name objects that are long and short 		<ul style="list-style-type: none"> Describe objects based on attributes/properties (length) Match objects or pictures based on properties/attributes in one-to-one correspondence <ul style="list-style-type: none"> object to object object to picture picture to picture Compare objects based on their length (long or short) Tell which objects/pictures are the same based on length Describe common objects in the environment based on length
Lesson 5 Tall and Short	<ul style="list-style-type: none"> Identify tall and short objects Compare objects based on height Name objects that are tall and short 		<ul style="list-style-type: none"> Describe objects based on attributes/properties (height) Match objects or pictures based on properties/attributes in one-to-one correspondence <ul style="list-style-type: none"> object to object object to picture picture to picture Compare objects based on their height (tall or short) Tell which objects/pictures are the same based on height Describe common objects in the environment based on height
Lesson 6 Light and Heavy	<ul style="list-style-type: none"> Identify light and heavy objects Compare objects according to their weight Name objects that are light and heavy 		<ul style="list-style-type: none"> Describe objects based on attributes/properties (weight) Match objects or pictures based on properties/attributes in one-to-one correspondence <ul style="list-style-type: none"> object to object object to picture picture to picture Compare objects based on their weight (light or heavy) Tell which objects/pictures are the same based on weight Describe common objects in the environment based on weight

Chapter/ Lesson Title	Lesson Objectives	Curriculum Standards	Learning Competencies
Chapter 2 Positions, Patterns, and Sets		<p><i>Content Standards</i></p> <p>The pupil demonstrates an understanding of</p> <ul style="list-style-type: none"> relationships of objects in terms of position, patterns, and sets; and counting of objects and comparison of sets. <p><i>Performance Standards</i></p> <p>The pupil shall be able to</p> <ul style="list-style-type: none"> describe the relative position of objects using the terms <i>near, far, in, on, under, right, and left</i>; identify patterns; and count and compare objects in sets. 	

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Lesson 1 Positions of Things	<ul style="list-style-type: none"> • Tell the position of objects • Identify objects given the position 		<ul style="list-style-type: none"> • Identify the positions of the objects using “near,” “far,” “in,” “on,” “under,” “right,” and “left”
Lesson 2 Patterns	<ul style="list-style-type: none"> • Name objects in the given set • Identify a pattern in the given set • Identify an object which should come next in the given set 		<ul style="list-style-type: none"> • Complete patterns • Reproduce and extend patterns • Create own patterns • Transform/translate patterns from one form to another
Lesson 3 Comparing Sets	<ul style="list-style-type: none"> • Name the given sets • Count the objects in each set • Compare the sets using many or few • Identify sets that are as many as the given set 		<ul style="list-style-type: none"> • Tell that the quantity of a set of objects does not change even though the arrangement has changed (i.e., the pupil should be able to tell that one set of counters placed in one-to-one correspondence and then rearranged still has the same quantity) • Compare two groups of objects to decide which is more or less, or if they are equal <ul style="list-style-type: none"> ◦ Identify sets with one more or one less element

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Chapter 3 Numbers from 1 to 10		<p><i>Content Standards</i></p> <p>The pupil demonstrates an understanding of</p> <ul style="list-style-type: none"> the sense of quantity and numeral relations; and counting, which moves through a sequence, that uses only one number name for each number counted. <p><i>Performance Standards</i></p> <p>The pupil shall be able to count and identify the numbers up to 10 at all times in the context of his/her daily experiences either at home or in school.</p>	
Lesson 1 Identifying Zero	<ul style="list-style-type: none"> Identify the numeral 0 Trace and write numeral 0 and word zero Identify an empty set Associate an empty set with zero 		<ul style="list-style-type: none"> Rote count up to 10 Count objects with one-to-one correspondence up to quantities of 10 Recognize and identify numerals 0 to 10 Read and write numerals 0 to 10 Match numerals to a set of concrete objects from 0 to 10

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Lesson 2 The Numbers 1 and 2	<ul style="list-style-type: none"> Count objects in a set that are 1 and 2 in number Identify the numbers <i>1</i> and <i>2</i> Read the number words <i>one</i> and <i>two</i> Associate sets with the numbers 1 and 2 Trace the numerals <i>1</i> and <i>2</i> Trace the words for <i>one</i> and <i>two</i> 		<ul style="list-style-type: none"> Rote count up to 10 Count objects with one-to-one correspondence up to quantities of 10 Recognize and identify numerals 0 to 10 Read and write numerals 0 to 10 Read and write number words from one to ten Match numerals to a set of concrete objects from 0 to 10
Lesson 3 The Numbers 3 and 4	<ul style="list-style-type: none"> Count objects in a set that are 3 and 4 in number Identify the numbers <i>3</i> and <i>4</i> Read the number words <i>three</i> and <i>four</i> Associate sets with the numbers 3 and 4 Trace the numerals <i>3</i> and <i>4</i> Trace the words for <i>three</i> and <i>four</i> 		<ul style="list-style-type: none"> Rote count up to 10 Count objects with one-to-one correspondence up to quantities of 10 Recognize and identify numerals 0 to 10 Read and write numerals 0 to 10 Read and write number words from one to ten Match numerals to a set of concrete objects from 0 to 10

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Lesson 4 The Numbers 5 and 6	<ul style="list-style-type: none"> Count objects in a set that are 5 and 6 in number Identify the numbers 5 and 6 Read the number words <i>five</i> and <i>six</i> Associate sets with the numbers 5 and 6 Trace the numerals 5 and 6 Trace the words for <i>five</i> and <i>six</i> 		<ul style="list-style-type: none"> Rote count up to 10 Count objects with one-to-one correspondence up to quantities of 10 Recognize and identify numerals 0 to 10 Read and write numerals 0 to 10 Read and write number words from one to ten Match numerals to a set of concrete objects from 0 to 10
Lesson 5 The Numbers 7 and 8	<ul style="list-style-type: none"> Count objects in a set that are 7 and 8 in number Identify the numbers 7 and 8 Read the number words <i>seven</i> and <i>eight</i> Associate sets with the numbers 7 and 8 Trace the numerals 7 and 8 Trace the words for <i>seven</i> and <i>eight</i> 		<ul style="list-style-type: none"> Rote count up to 10 Count objects with one-to-one correspondence up to quantities of 10 Recognize and identify numerals 0 to 10 Read and write numerals 0 to 10 Read and write number words from one to ten Match numerals to a set of concrete objects from 0 to 10

Chapter/ Lesson Title	Lesson Objectives	Curriculum Standards	Learning Competencies
Lesson 6 The Numbers 9 and 10	<ul style="list-style-type: none"> Count objects in a set that are 9 and 10 in number Identify the numbers <i>9</i> and <i>10</i> Read the number words <i>nine</i> and <i>ten</i> Associate sets with the numbers 9 and 10 Trace the numerals <i>9</i> and <i>10</i> Trace the words for <i>nine</i> and <i>ten</i> 		<ul style="list-style-type: none"> Rote count up to 10 Count objects with one-to-one correspondence up to quantities of 10 Recognize and identify numerals 0 to 10 Read and write numerals 0 to 10 Read and write number words from one to ten Match numerals to a set of concrete objects from 0 to 10

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Chapter 4 Numbers from 11 to 20		<p><i>Content Standards</i></p> <p>The pupil demonstrates an understanding of</p> <ul style="list-style-type: none"> • the sense of quantity and number relations; and • counting, which moves through a sequence, that uses only one number for each number counted. <p><i>Performance Standards</i></p> <p>The pupil shall be able to count and identify the numbers up to 20 at all times in the context of his/her daily experiences either at home or in school.</p>	

Chapter/ Lesson Title	Lesson Objectives	Curriculum Standards	Learning Competencies
Lesson 1 The Numbers 11 and 12	<ul style="list-style-type: none"> Count objects in a set that are 11 and 12 in number Identify numbers <i>11</i> and <i>12</i> Read number words <i>eleven</i> and <i>twelve</i> Associate sets with the numbers 11 and 12 Trace the numerals <i>11</i> and <i>12</i> Trace the words for <i>eleven</i> and <i>twelve</i> 		<ul style="list-style-type: none"> Rote count up to 20 Count objects with one-to-one correspondence up to quantities of 20 Recognize and identify numerals 11 to 20 Read and write numerals 11 to 20 Read and write number words from eleven to twenty Match numerals to a set of concrete objects from 11 to 20
Lesson 2 The Numbers 13 and 14	<ul style="list-style-type: none"> Count objects in a set that are 13 and 14 in number Identify the numbers <i>13</i> and <i>14</i> Read the number words <i>thirteen</i> and <i>fourteen</i> Associate sets with the numbers 13 and 14 Trace the numerals <i>13</i> and <i>14</i> Trace the words for <i>thirteen</i> and <i>fourteen</i> 		<ul style="list-style-type: none"> Rote count up to 20 Count objects with one-to-one correspondence up to quantities of 20 Recognize and identify numerals 11 to 20 Read and write numerals 11 to 20 Read and write number words from eleven to twenty Match numerals to a set of concrete objects from 11 to 20

Chapter/ Lesson Title	Lesson Objectives	Curriculum Standards	Learning Competencies
Lesson 3 The Numbers 15 and 16	<ul style="list-style-type: none"> Count objects in a set that are 15 and 16 in number Identify the numbers <i>15</i> and <i>16</i> Read the number words <i>fifteen</i> and <i>sixteen</i> Associate sets with the numbers 15 and 16 Trace the numerals <i>15</i> and <i>16</i> Trace the words for <i>fifteen</i> and <i>sixteen</i> 		<ul style="list-style-type: none"> Rote count up to 20 Count objects with one-to-one correspondence up to quantities of 20 Recognize and identify numerals 11 to 20 Read and write numerals 11 to 20 Read and write number words from eleven to twenty Match numerals to a set of concrete objects from 11 to 20
Lesson 4 The Numbers 17 and 18	<ul style="list-style-type: none"> Count objects in a set that are 17 and 18 in number Identify the numbers <i>17</i> and <i>18</i> Read the number words <i>seventeen</i> and <i>eighteen</i> Associate sets with the numbers 17 and 18 Trace the numerals <i>17</i> and <i>18</i> Trace the words for <i>seventeen</i> and <i>eighteen</i> 		<ul style="list-style-type: none"> Rote count up to 20 Count objects with one-to-one correspondence up to quantities of 20 Recognize and identify numerals 11 to 20 Read and write numerals 11 to 20 Read and write number words from eleven to twenty Match numerals to a set of concrete objects from 11 to 20

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Lesson 5 The Numbers 19 and 20	<ul style="list-style-type: none"> Count objects in a set that are 19 and 20 in number Identify the numbers <i>19</i> and <i>20</i> Read the number words <i>nineteen</i> and <i>twenty</i> Associate sets with the numbers 19 and 20 Trace the numerals <i>19</i> and <i>20</i> Trace the words for <i>nineteen</i> and <i>twenty</i> 		<ul style="list-style-type: none"> Rote count up to 20 Count objects with one-to-one correspondence up to quantities of 20 Recognize and identify numerals 11 to 20 Read and write numerals 11 to 20 Read and write number words from eleven to twenty Match numerals to a set of concrete objects from 11 to 20
Chapter 5 Adding Numbers		<p><i>Content Standards</i></p> <p>The pupil demonstrates an understanding of</p> <ul style="list-style-type: none"> the sense of quantity and number relations; and that addition results in increase. <p><i>Performance Standards</i></p> <p>The pupil shall be able to perform simple addition of up to 10 objects or pictures/ drawings.</p>	

Chapter/ Lesson Title	Lesson Objectives	Curriculum Standards	Learning Competencies
Lesson 1 Adding Numbers with Sums of 5 or Less	<ul style="list-style-type: none"> Count objects in a set Add numbers with sums of 5 or less 		<ul style="list-style-type: none"> Recognize the words “put together,” “add to,” and “in all” that indicate the act of adding whole numbers Combine elements of two sets using concrete objects to represent the concept of addition Add quantities up to 5 using concrete objects Use a variety of materials and communicate strategies used to determine answers to addition problems listened to Solve simple addition number stories (up to quantities of 5) read by the teacher using a variety of ways (e.g., concrete materials, drawings) and describe and explain the strategies used Write addition number sentences using concrete representations Recognize and visualize situations that require addition
Lesson 2 Adding Numbers with Sums of 10 or Less	<ul style="list-style-type: none"> Count objects in a set Add numbers with sums of 10 or less 		<ul style="list-style-type: none"> Recognize the words “put together,” “add to,” and “in all” that indicate the act of adding whole numbers Combine elements of two sets using concrete objects to represent the concept of addition Add quantities up to 10 using concrete objects Use a variety of materials and communicate strategies used to determine answers to addition problems listened to Solve simple addition number stories (up to quantities of 10) read by the teacher using a variety of ways (e.g., concrete materials, drawings) and describe and explain the strategies used Write addition number sentences using concrete representations Recognize and visualize situations that require addition

Chapter/ Lesson Title	Lesson Objectives	Curriculum Standards	Learning Competencies
Chapter 6 Telling Time and Fraction		<p><i>Content Standards</i></p> <p>The pupil demonstrates an understanding of the concepts of time and fraction.</p> <p><i>Performance Standards</i></p> <p>The pupil shall be able to</p> <ul style="list-style-type: none"> • use arbitrary measuring tools/means to determine time (including his/her own schedule) and • identify parts of a whole. 	
Lesson 1 Telling Time by the Hour	<ul style="list-style-type: none"> • Tell time by the hour • Use the clock to tell the time 		<ul style="list-style-type: none"> • Tell which activities take a longer or shorter time (recognize and names the things that can be done in a minute, e.g., washing hands, etc., and recognize and name the things that can be done in an hour) • Recognize that a clock and a watch tell time • Recognize and name the hour and minute hands in a clock • Tell time by the hour • Tell the time of day when activities are being done, e.g., morning, afternoon, night
Lesson 2 Fractions	<ul style="list-style-type: none"> • Identify one-half or one-fourth • Identify the part of a whole given the fractions $\frac{1}{2}$ and $\frac{1}{4}$ 		<ul style="list-style-type: none"> • Divide a whole into two or four equal parts (halves and fourths)