

# Kindergarten Mathematics

Mathematics

Grade(s) K, Duration 1 Year  
Required Course

## Course Description

Kindergarten students will learn to use mathematical thinking to provide a learning pathway of success. This spiraling program will include mathematical concepts and skills such as: number sense, shapes, measurement, addition, and subtraction. These concepts and skills will be ongoing to encourage and create life-long mathematical problem solvers.

## Scope And Sequence

Timeframe	Unit	Instructional Topics
6 Week(s)	Numbers 0-10	<ol style="list-style-type: none"><li>1. Count to 25</li><li>2. Read and write the numerals 0-10 and the corresponding number words</li><li>3. Compare numbers within 10</li><li>4. Understand the terms more, less, and equal to (sets and numerals)</li><li>5. Sequence numbers 0-10</li><li>6. Count on from a number within 10 and count back from 10 to 0</li></ol>
2 Week(s)	Shapes	<ol style="list-style-type: none"><li>1. Identify 2D shapes</li><li>2. Identify 3D Shapes</li><li>3. Correctly name shapes (2D and 3D)</li><li>4. Describe objects in the environment using the names of shapes</li><li>5. Build shapes from components and other shapes</li></ol>
8 Week(s)	Numbers to 20	<ol style="list-style-type: none"><li>1. Count to 50</li><li>2. Relate numbers 11 - 20 using tens and ones</li><li>3. Read and write numerals 11 - 20</li><li>4. Compare and order numbers within 20</li><li>5. Understand the terms more, less, and equal to</li></ol>
2 Week(s)	Length and Weight	<ol style="list-style-type: none"><li>1. Compare the length of two or more objects</li><li>2. Estimate and measure length using non-standard units</li><li>3. Compare the weights of 2 or more objects</li><li>4. Estimate and measure weight using non-standard units</li><li>5. Graphing up to 10</li></ol>
3 Week(s)	Number Bonds	<ol style="list-style-type: none"><li>1. Count to 75</li><li>2. Identify parts in a whole</li><li>3. Make number stories to correspond to number bonds within ten</li><li>4. Divide a set of objects into two parts</li><li>5. Create number bonds for a given number within ten</li><li>6. Find number-pairs that make 2, 3, 4, 5, 6, 7, 8, 9 and 10</li><li>7. Find the missing parts of a number bond</li></ol>
2 Week(s)	Ten Frames	<ol style="list-style-type: none"><li>1. Find the number that makes 10 for any number from 1 to 9</li></ol>
2 Week(s)	Place Value	<ol style="list-style-type: none"><li>1. Compose and decompose numbers 11-19 into tens and ones</li></ol>
4 Week(s)	Addition	<ol style="list-style-type: none"><li>1. Understand the meaning of addition</li><li>2. Connect addition with the part-whole concept</li><li>3. Relate number bonds to addition sentences to number stories</li><li>4. Write two addition sentences for a given number bond.</li><li>5. Use "+" and "=" to write addition sentences</li><li>6. Use the "count on" strategy to add two numbers within ten</li><li>7. Count to 100</li></ol>
4 Week(s)	Subtraction	<ol style="list-style-type: none"><li>1. Understand the meaning of subtraction</li><li>2. Compare addition to subtraction</li><li>3. Use "-" and "=" to write subtraction sentences</li><li>4. Solve number stories for subtraction</li><li>5. Find the missing part of a set using subtraction</li><li>6. Use the taking-away method of subtraction</li><li>7. Relate subtraction facts to number bonds</li><li>8. Use the "count-back" strategy to subtract 1, 2 or 3</li><li>9. Recognize numbers that differ by 1 or 2</li><li>10. Review number pairs that make ten</li></ol>

174 Day(s)

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1. K.CC.1 Count to 100 by ones and by tens.
2. K.CC.2 Count forward beginning from a given number within the known sequence (instead of having to begin at 1).
3. K.CC.3 Write numbers from 0 to 20.
4. K.CC.4.a Understand the relationship between numbers and quantities when counting objects.
5. K.CC.4.b Understand the relationship between numbers and quantities and understand the last number name tells the number of objects counted.
6. K.CC.4.c Understand the relationship between numbers and quantities and understand that successive number name refers to a quantity that is one larger.
7. K.CC.5 Count to answer "how many?" questions about as many as 20 things.
8. K.CC.6 Identify whether the number of objects in group is greater than, less than, or equal to the number of objects in another group.
9. K.CC.7 Compare two numbers between 1 and 10 presented as written numerals.
10. K.OA.1 Represent addition and subtraction with objects, fingers, mental images, drawings, sounds, acting, verbal explanations, expressions, or equations.
11. K.OA.2 Solve addition and subtraction word problems, and add and subtract within 10.
12. K.OA.3 Decompose numbers less than or equal to 10 into pairs in more than one way.
13. K.OA.4 For any number from 1 to 9, find the number that makes 10 when added to the given number.
14. K.OA.5 Fluently add and subtract within 5.
15. K.NBT.1 Compose and decompose numbers from 11 to 19 into ten ones and some further ones.
16. K.MD.1 Describe measurable attributes of objects, such as length or weight.
17. K.MD.2 Directly compare two objects with a measurable attribute in common, to see which object has "more of"/"less of" attribute, and describe the difference.
18. K.MD.3 Classify objects into given categories; count the numbers of objects in each category and sort the categories by count.
19. K.G.1 Describe objects in the environment using names of shapes, and describe the relative positions of these objects using terms such as above, below, beside, in front of, behind, and next to.
20. K.G.2 Correctly name shapes regardless of their orientations or overall size.
21. K.G.3 Identify shapes as two-dimensional or three-dimensional.
22. K.G.4 Analyze and compare two- and three-dimensional shapes, in different sizes and orientations, using informal language to describe their similarities, differences, parts.
23. K.G.5 Model shapes in the world by building shapes from components (e.g., sticks and clay balls) and drawing shapes.
24. K.G.6 Compose simple shapes to form larger shapes.

### Course Rationale/Goals

In alignment with Common Core State Standards and the ever-changing 21st century, it is imperative for students to have a proficient understanding of Mathematics to succeed in everyday life. Kindergarten- fifth grades will continue to build a strong foundation for future mathematical learning. This will enable the student to grow as a life-long mathematical problem-solver.

### Course Details

**Unit:** Numbers 0-10

**Duration:** 6 Week(s)

#### Unit Description/Transfer Goal

This unit will focus on student's understanding number names and the count sequence from 0-10. Students will count to and tell the number of objects 0-10.

**Topic:** Count to 25

**Duration:** 6 Week(s)

#### Student Learning Plan

Counting and Cardinality K.CC.1  
Know number names and the count sequence.

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## Learning Targets

Students will rote count to 25 by ones.

**Topic:** Read and write the numerals 0-10 and the corresponding number words

**Duration:** 6 Week(s)

## Student Learning Plan

This topic is ongoing over the duration of the unit.

## Learning Targets

Students will read and write the numerals 0-10 and the corresponding number words.

**Topic:** Compare numbers within 10

**Duration:** 1 Week(s)

## Student Learning Plan

Compare numbers within 10

## Learning Targets

Students will compare numbers within 10.

**Topic:** Understand the terms more, less, and equal to (sets and numerals)

**Duration:** 1 Week(s)

## Student Learning Plan

Understand the terms more, less, and equal to (sets and numerals).

## Learning Targets

Students will understand the terms more, less, and equal to (sets and numerals).

**Topic:** Sequence numbers 0-10

**Duration:** 1 Week(s)

## Student Learning Plan

Sequence numbers 0-10

## Learning Targets

Students will sequence numbers 0-10.

**Topic:** Count on from a number within 10 and count back from 10 to 0

**Duration:** 1 Week(s)

## Student Learning Plan

Count on from a number within 10 and count back from 10 to 0

## Learning Targets

Students will count on from a number within 10 and count back from 10 to 0.

## Unit: Shapes

**Duration:** 2 Week(s)

### Unit Description/Transfer Goal

The Kindergarten shapes unit will enable students to identify and describe 2D and 3D shapes. Students will analyze, compare, create and compose shapes.

**Topic:** Identify 2D shapes

**Duration:** 1 Day(s)

### Student Learning Plan

Identify 2D shapes (squares, circles, triangles, rectangles, hexagons)

### Learning Targets

Students will identify 2D shapes.

**Topic:** Identify 3D Shapes

**Duration:** 2 Day(s)

### Student Learning Plan

Identify 3D shapes (cubes, cones, cylinders, and spheres)

### Learning Targets

Students will identify 3D shapes

**Topic:** Correctly name shapes (2D and 3D)

**Duration:** 3 Day(s)

### Student Learning Plan

Correctly name shapes (2D and 3D)

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## Learning Targets

Students will correctly name shapes (2D and 3D).

**Topic:** Describe objects in the environment using the names of shapes

**Duration:** 2 Day(s)

## Student Learning Plan

Describe objects in the environment using the names of shapes

## Learning Targets

Students will describe objects in the environment using the names of shapes

**Topic:** Build shapes from components and other shapes

**Duration:** 2 Day(s)

## Student Learning Plan

Build shapes from components and other shapes

## Learning Targets

Students will build shapes from components and other shapes

## Unit: Numbers to 20

**Duration:** 8 Week(s)

### Unit Description/Transfer Goal

Students will know number names, count in sequence, count to tell the number of objects, and compare numbers.

**Topic:** Count to 50

**Duration:** 8 Week(s)

### Student Learning Plan

The students will count up to 50.

### Learning Targets

Count to 50

**Topic:** Relate numbers 11 - 20 using tens and ones

**Duration:** 2 Week(s)

### Student Learning Plan

Relate numbers 11 - 20 using tens and ones.

### Learning Targets

Students will relate numbers 11 - 20 using tens and ones.

**Topic:** Read and write numerals 11 - 20

**Duration:** 8 Week(s)

### Student Learning Plan

Read and write the numbers 11 - 20.

### Learning Targets

Students will read and write numerals 11 - 20.

**Topic:** Compare and order numbers within 20

**Duration:** 1 Week(s)

### Student Learning Plan

Compare and order numbers within 20.

### Learning Targets

Students will compare and order numbers within 20.

**Topic:** Understand the terms more, less, and equal to

**Duration:** 1 Week(s)

### Student Learning Plan

Understand the terms more, less, and equal to (sets and numerals).

### Learning Targets

Students will understand the terms more, less, and equal to (sets and numerals).

## Unit: Length and Weight

**Duration:** 2 Week(s)

### Unit Description/Transfer Goal

Students will describe and compare measurable attributes. Students will classify objects and count the number of objects in each category.

**Topic:** Compare the length of two or more objects

**Duration:** 2 Day(s)

### Student Learning Plan

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Compare the length of two or more objects

## Learning Targets

Students will compare the length of two or more objects

**Topic:** Estimate and measure length using non-standard units

**Duration:** 2 Day(s)

## Student Learning Plan

Estimate and measure length using non-standard units

## Learning Targets

Students will estimate and measure length using non-standard units

**Topic:** Compare the weights of 2 or more objects

**Duration:** 2 Day(s)

## Student Learning Plan

Compare the weights of 2 or more objects

## Learning Targets

Students will compare the weights of 2 or more objects.

**Topic:** Estimate and measure weight using non-standard units

**Duration:** 2 Day(s)

## Student Learning Plan

Estimate and measure weight using non-standard units

## Learning Targets

Students will estimate and measure weight using non-standard units.

**Topic:** Graphing up to 10

**Duration:** 2 Day(s)

## Student Learning Plan

Graphing up to 10

## Learning Targets

Students will graph up to 10.

## Unit: Number Bonds

**Duration:** 3 Week(s)

### Unit Description/Transfer Goal

Students will identify size and total in a set and build number bonds up to the sum of 10.

**Topic:** Count to 75

**Duration:** 2 Week(s)

## Student Learning Plan

Count to 75.

## Learning Targets

Students will count to 75 by ones.

**Topic:** Identify parts in a whole

**Duration:** 3 Day(s)

## Student Learning Plan

Identify parts in a whole.

## Learning Targets

Students will identify parts in a whole.

**Topic:** Make number stories to correspond to number bonds within ten

**Duration:** 5 Day(s)

## Student Learning Plan

Make number stories to correspond to number bonds within ten.

## Learning Targets

Students will make number stories to correspond to number bonds within ten.

**Topic:** Divide a set of objects into two parts

**Duration:** 2 Day(s)

## Student Learning Plan

Divide a set of objects into two parts.

## Learning Targets

Students will divide a set of objects into two parts.

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**Topic:** Create number bonds for a given number within ten

**Duration:** 1 Week(s)

**Student Learning Plan**

Create number bonds for a given number within ten.

**Learning Targets**

Students will create number bonds for a given number within ten.

**Topic:** Find number-pairs that make 2, 3, 4, 5, 6, 7, 8, 9 and 10

**Duration:** 2 Week(s)

**Student Learning Plan**

Find number-pairs that make 2, 3, 4, 5, 6, 7, 8, 9 and 10.

**Learning Targets**

Students will find number-pairs that make 2, 3, 4, 5, 6, 7, 8, 9 and 10.

**Topic:** Find the missing parts of a number bond

**Duration:** 2 Week(s)

**Student Learning Plan**

Find the missing parts of a number bond.

**Learning Targets**

Students will find the missing parts of a number bond.

**Unit:** Ten Frames

**Duration:** 2 Week(s)

**Unit Description/Transfer Goal**

Students will understand addition as putting together and adding to, and understanding subtraction as taking apart and taking from.

**Topic:** Find the number that makes 10 for any number from 1 to 9

**Duration:** 2 Week(s)

**Student Learning Plan**

Find the number that makes 10 for any number from 1 to 9

**Learning Targets**

Students will find the number that makes 10 for any number from 1 to 9.

**Unit:** Place Value

**Duration:** 2 Week(s)

**Unit Description/Transfer Goal**

Students will numbers 11-19 to gain foundations for place value.

**Topic:** Compose and decompose numbers 11-19 into tens and ones

**Duration:** 2 Week(s)

**Student Learning Plan**

Compose and decompose numbers 11-19 into tens and ones.

**Learning Targets**

Students will compose and decompose numbers 11-19 into tens and ones.

**Unit:** Addition

**Duration:** 4 Week(s)

**Unit Description/Transfer Goal**

Students will understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.

**Enduring Understandings**

Students will understand that...

Joining parts together will display more parts to the whole.

**Essential Skills**

1. Why would you want to know how many objects are in a group?

2. What are ways to solve an addition problem?

**Teaching Points**

Singapore teachers manual

Kindergarten Math Binder

Manipulatives

**Essential Vocabulary**

join, in all, altogether, addition sentence, add, plus sign, equal sign, sum, word problem, number sentence, more, less, fewer, number bond (Fact Family)

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**Topic:** Understand the meaning of addition

**Duration:** 2 Day(s)

**Student Learning Plan**

Understand the meaning of addition

**Learning Targets**

Students will understand the meaning of addition.

**Topic:** Connect addition with the part-whole concept

**Duration:** 3 Day(s)

**Student Learning Plan**

Connect addition with the part-whole concept

**Learning Targets**

Students will connect addition with the part-whole concept.

**Topic:** Relate number bonds to addition sentences to number stories

**Duration:** 3 Day(s)

**Student Learning Plan**

Relate number bonds to addition sentences to number stories

**Learning Targets**

Students will relate number bonds to addition sentences to number stories.

**Topic:** Write two addition sentences for a given number bond.

**Duration:** 2 Day(s)

**Student Learning Plan**

Write two addition sentences for a given number bond

**Learning Targets**

Students will write two addition sentences for a given number bond.

**Topic:** Use "+" and "=" to write addition sentences

**Duration:** 1 Week(s)

**Student Learning Plan**

Use "+" and "=" to write addition sentences

**Learning Targets**

Students will use "+" and "=" to write addition sentences.

**Topic:** Use the "count on" strategy to add two numbers within ten

**Duration:** 1 Week(s)

**Student Learning Plan**

Use the "count on" strategy to add two numbers within ten

**Learning Targets**

Students will use the "count on" strategy to add two numbers within ten.

**Topic:** Count to 100

**Duration:** 4 Week(s)

**Student Learning Plan**

Count to 100. This topic is ongoing throughout the unit.

**Learning Targets**

Students will count to 100.

**Unit:** Subtraction

**Duration:** 4 Week(s)

**Unit Description/Transfer Goal**

Students will be able to independently use their learning to explain subtraction is taking away and model subtraction using manipulatives.

**Topic:** Understand the meaning of subtraction

**Duration:** 4 Week(s)

**Student Learning Plan**

Understand the meaning of subtraction

**Learning Targets**

Students will understand the meaning of subtraction.

**Topic:** Compare addition to subtraction

**Duration:** 1 Week(s)

**Student Learning Plan**

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Grade(s) K, Duration 1 Year  
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Compare addition to subtraction.

## Learning Targets

Students will compare addition to subtraction.

**Topic:** Use "-" and "=" to write subtraction sentences

**Duration:** 3 Day(s)

## Student Learning Plan

Use "-" and "=" to write subtraction sentences.

## Learning Targets

Students will use "-" and "=" to write subtraction sentences.

**Topic:** Solve number stories for subtraction

**Duration:** 1 Week(s)

## Student Learning Plan

Solve number stories for subtraction

## Learning Targets

Students will solve number stories for subtraction.

**Topic:** Find the missing part of a set using subtraction

**Duration:** 1 Week(s)

## Student Learning Plan

Find the missing part of a set using subtraction

## Learning Targets

Students will find the missing part of a set using subtraction.

**Topic:** Use the taking-away method of subtraction

**Duration:** 1 Week(s)

## Student Learning Plan

Use the taking-away method of subtraction

## Learning Targets

Students will use the taking-away method of subtraction.

**Topic:** Relate subtraction facts to number bonds

**Duration:** 3 Day(s)

## Student Learning Plan

Relate subtraction facts to number bonds

## Learning Targets

Students will relate subtraction facts to number bonds.

**Topic:** Use the "count-back" strategy to subtract 1, 2 or 3

**Duration:** 2 Day(s)

## Student Learning Plan

Use the "count-back" strategy to subtract 1, 2 or 3.

## Learning Targets

Students will use the "count-back" strategy to subtract 1, 2 or 3.

**Topic:** Recognize numbers that differ by 1 or 2

**Duration:** 2 Day(s)

## Student Learning Plan

Recognize numbers that differ by 1 or 2.

## Learning Targets

Students will recognize numbers that differ by 1 or 2.

**Topic:** Review number pairs that make ten

**Duration:** 4 Day(s)

## Student Learning Plan

Review number pairs that make ten.

## Learning Targets

Students will review number pairs that make ten.

**Unit:** Lisa Carter 2015

**Duration:** 174 Day(s)

**Topic:** K.CC.1 Count to 100 by ones and by tens.

**Duration:** Ongoing



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## Student Learning Plan

Counting and Cardinality: Know number names and the count sequence.

### Learning Targets

- Students will say numbers orally in sequence (DOK 1)
  - 1, 2, 3, ... 100
  - 10, 20, 30, ... 100
- Count to 100 by ones and by tens

**Topic:** K.CC.2 Count forward beginning from a given number within the known sequence (instead of having to begin at 1).

**Duration:** 30 Day(s)

### Learning Targets

- Student will rote count forward by ones (DOK 1)
- Students will begin a rote counting forward sequence from a number other than one. (ex., 35, 36, 37, ... 100) (DOK 1)
- Count forward beginning from a given number within the known sequence (instead of having to begin at 1)

**Topic:** K.CC.3 Write numbers from 0 to 20.

**Duration:** Ongoing

## Student Learning Plan

Counting and Cardinality: Know number names and the count sequence.

### Learning Targets

- Students will understand what a set/group of numbers is (one-to-one correspondence) (DOK 1)
- Students will write numbers from 0-20 (DOK 1)
- Students will write numbers from 0 - 20. Represent a number of objects with a written numeral 0 - 20 (with 0 representing a count of no objects).

**Topic:** K.CC.4.a Understand the relationship between numbers and quantities when counting objects.

**Duration:** Ongoing

## Student Learning Plan

Counting and Cardinality: Count to tell the number of objects

### Learning Targets

- Students will have a strategy for keeping track of the objects (ex., by pointing or moving them) (DOK 1)
- Students will determine how many there would be if one more were added to a given group (DOK 2)
- Students will use the ordinal word name to identify the position (DOK 2)
- Students will, while counting numbers, say the number names in the standard order, pairing each object with one and only one number name and each number name with one and only one object

**Topic:** K.CC.4.b Understand the relationship between numbers and quantities and understand the last number name tells the number of objects counted.

**Duration:** 30 Day(s)

## Student Learning Plan

Counting and Cardinality: Count to tell the number of objects

### Learning Targets

- Students will have a strategy for keeping track of the objects (ex., by pointing or moving them) (DOK 1)
- Students will determine how many there would be if one more were added to a given group (DOK 2)
- Students will use the ordinal word name to identify the position (DOK 2)
- Students will understand that the last number name said tells the number of objects counted. The number of objects is the same regardless of their arrangement or the order in which they were counted

**Topic:** K.CC.4.c Understand the relationship between numbers and quantities and understand that successive number name refers to a quantity that is one larger.

**Duration:** 45 Day(s)

## Student Learning Plan

Counting and Cardinality: Count and tell the number of objects

### Learning Targets

- Students will have a strategy for keeping track of the objects (ex., by pointing or moving them) (DOK 1)
- Students will determine how many there would be if one more were added to a given group (DOK 2)
- Students will use the ordinal word name to identify the position (DOK 2)
- Students will understand that each successive number name refers to a quantity that is one larger

**Topic:** K.CC.5 Count to answer "how many?" questions about as many as 20 things.

**Duration:** 70 Day(s)

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## Student Learning Plan

Counting and Cardinality: Count to tell the number of objects

## Learning Targets

- To count a group of objects, students pair each word said with one object. This is usually facilitated by an indicating act (such as pointing to objects or moving them) (DOK 1)
- Count to answer "how many?" questions about as many as 20 things arranged in a line, a rectangular array, or a circle, or as many as 10 things in a scattered configuration; given a number from 1 - 20, count out that many objects

**Topic:** K.CC.6 Identify whether the number of objects in group is greater than, less than, or equal to the number of objects in another group. **Duration:** 30 Day(s)

## Student Learning Plan

Counting and Cardinality: Compare numbers

## Learning Targets

- Students may use various strategies to compare groups of different objects, including:
  - Lining up objects to match one-to-one, to determine which group has more. (DOK 1)
  - Counting each group, then comparing the numbers. (DOK 3)
  - Taking one from each pile until all are gone from one group, and the group with remaining objects has more. (DOK 3)
- Students will identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group, e.g., by using matching and counting strategies.

**Topic:** K.CC.7 Compare two numbers between 1 and 10 presented as written numerals. **Duration:** 30 Day(s)

## Student Learning Plan

Counting and Cardinality: Compare numbers.

## Learning Targets

- Students will look at two written numerals (without pictures) and determine which is greater, less, or if they are equal (DOK 2)
- Students will compare two numbers between 1 and 10 presented as written numerals

**Topic:** K.OA.1 Represent addition and subtraction with objects, fingers, mental images, drawings, sounds, acting, verbal explanations, expressions, or equations. **Duration:** 80 Day(s)

## Student Learning Plan

Operations and Algebraic Thinking: Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.

**Topic:** K.OA.2 Solve addition and subtraction word problems, and add and subtract within 10. **Duration:** 30 Day(s)

## Student Learning Plan

Operations and Algebraic Thinking: Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.

**Topic:** K.OA.3 Decompose numbers less than or equal to 10 into pairs in more than one way. **Duration:** 30 Day(s)

## Student Learning Plan

Operations and Algebraic Thinking: Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.

**Topic:** K.OA.4 For any number from 1 to 9, find the number that makes 10 when added to the given number. **Duration:** 30 Day(s)

## Student Learning Plan

Operations and Algebraic Thinking: Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.

**Topic:** K.OA.5 Fluently add and subtract within 5. **Duration:** 30 Day(s)

## Student Learning Plan

Operations and Algebraic Thinking: Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.

**Topic:** K.NBT.1 Compose and decompose numbers from 11 to 19 into ten ones and some further ones. **Duration:** 45 Day(s)

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## Student Learning Plan

Number and Operations in Base Ten: Work with numbers 11 - 19 to gain foundations for place value.

**Topic:** K.MD.1 Describe measurable attributes of objects, such as length or weight. **Duration:** 30 Day(s)

## Student Learning Plan

Measurement and Data: Describe and compare measurable attributes.

**Topic:** K.MD.2 Directly compare two objects with a measurable attribute in common, to see which object has "more of"/"less of" attribute, and describe the difference. **Duration:** 30 Day(s)

## Student Learning Plan

Measurement and Data: Describe and compare measurable attributes.

**Topic:** K.MD.3 Classify objects into given categories; count the numbers of objects in each category and sort the categories by count. **Duration:** 30 Day(s)

## Student Learning Plan

Measurement and Data: Classify objects and count the number of objects in each category.

**Topic:** K.G.1 Describe objects in the environment using names of shapes, and describe the relative positions of these objects using terms such as above, below, beside, in front of, behind, and next to. **Duration:** 30 Day(s)

## Student Learning Plan

Geometry: Identify and describe shapes (squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres).

**Topic:** K.G.2 Correctly name shapes regardless of their orientations or overall size. **Duration:** 10 Day(s)

## Student Learning Plan

Geometry: Identify and describe shapes (squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres)

**Topic:** K.G.3 Identify shapes as two-dimensional or three-dimensional. **Duration:** 10 Day(s)

## Student Learning Plan

Geometry: Identify and describe shapes (squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres)

**Topic:** K.G.4 Analyze and compare two- and three-dimensional shapes, in different sizes and orientations, using informal language to describe their similarities, differences, parts. **Duration:** 30 Day(s)

## Student Learning Plan

Geometry: Analyze, compare, create, and compose shapes.

**Topic:** K.G.5 Model shapes in the world by building shapes from components (e.g., sticks and clay balls) and drawing shapes. **Duration:** 10 Day(s)

## Student Learning Plan

Geometry: Analyze, compare, create, and compose shapes.

**Topic:** K.G.6 Compose simple shapes to form larger shapes. **Duration:** 10 Day(s)

## Student Learning Plan

Geometry: Analyze, compare, create, and compose shapes.