



MATH **COURSE SYLLABUS**

GRADE LEVEL: Kindergarten

SCHOOL YEAR: 2023-24

TEACHER: Michelle Lopez

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COURSE DESCRIPTION:

The students acquire a basic conceptual understanding of the base 20 numerical system. During these early years, they typically develop the “number sense” needed for process and manipulate numerical information.

Mathematics is inquiry based. Students are encouraged to explore in addition, subtraction, numbers to one hundred, measurement, geometry, data, and graphing. The program is very hands-on. Students are beginning to make sense of their world through a mathematical approach. In different concepts, children will learn about the meaning of the topic and the mathematical terms related to each topic. The read-aloud story will access prior knowledge needed to complete the chapter.

COURSE OBJECTIVES:

- The student should be able to use the numbers sense, data, geometric objects, and measurement.
- The student will come to understand the relationship between numbers and quantities, concept of time and units to measure it, identify basic objects as their geometric features, and to sort and classify objects.
- The student will enhance number sense and operations.
- The student will learn how to develop mathematics concepts and skills.

PRIMARY TEXTBOOK & OTHER RESOURCES:

Randall et al.(n.d.). *enVision Mathematics*. United States of America: Savvas Learning Company, LLC.

- enVision 2020 Common Core Teacher's Edition: Grade K
- enVision Mathematics 2020 Grade K: Student Edition
- enVision Mathematics 2020 Grade K: Additional Practice
- enVision Mathematics 2020 Grade K: Interactive Student Edition

Publisher Website: <https://www.savvasrealize.com/> - /

MAJOR CLUSTER K.CC.A Know number names and the count sequence.

MAJOR CLUSTER K.CC.B Count to tell the number of objects.

ASSESSMENT:

Unit Assessment

Oral Retelling

Project

Observation

Seatwork and Homework

Quarter Exam

ADDITIONAL INFORMATION: Please see Google Classroom for more information. Class code:

Academic Dishonesty means employing a method or technique or engaging in conduct in an academic endeavor that contravenes the standards of ethical integrity expected at DIS. Academic dishonesty includes but is not limited to, the following:

1. Purposely incorporating the ideas, words of sentences, paragraphs, or parts thereof without appropriate acknowledgment and representing the product as one's own work; and
1. Representing another's intellectual work such as photographs, paintings, drawings, sculpture, or research or the like as one's own, including failure to attribute content to an AI.
2. Employing a tutor, making use of Artificial Intelligence without acknowledgement, getting a parent to write a paper or do an assignment, paying for an essay to be written by someone else and presented as the student's own work.
3. Committing any act that a reasonable person would conclude, when informed of the evidence, to be a dishonest means of obtaining or attempting to obtain credit for academic work.

Any act of academic dishonesty will result in an automatic zero on the entire assignment

1st QUARTER – TENTATIVE COURSE CONTENT

<i>(NB: Depending on time and interest, the teacher may delete and/or add other selections.)</i>	
Week / Date	Topic / Projects / Assessments
Week 1 Aug 10th to 11th <u>Only 2 School Days</u> <i>10 ~ First Day / Orientation Day</i>	<ul style="list-style-type: none">• Parents and student orientation• Welcome to K2• Environmental Language• Classroom commands and routines
Week 2 Aug 14th to 18th <i>15 ~ Opening Mass</i>	<u>TOPIC 1: NUMBER 0 TO 5</u> FOCUS: Counting numbers from 0 to 5. Lesson 1-1: Count 1,2, and 3 Lesson 1-2: Recognize 1,2, and 3 in Different Arrangements Lesson 1-3: Read, Make and Write 1,2, and 3
Week 3 Aug 21st to 25th	Lesson 1-4: Count 4 and 5 Lesson 1-5: Recognize 4 and 5 in Different Arrangements Lesson 1-6: Read, Make, and Write 4 and 5

Week 4 Aug 28th to Sep 1st	Lesson 1-7: Identify the Number 0 Lesson 1-8: Read and Write 0 Lesson 1-9: Numbers to 5
Week 5 Sep 4th to 8th <i>8 ~ Holy Mass & VIP Induction</i>	Lesson 1-10: PROBLEM SOLVING: Construct Arguments Topic 1 Review and Assessment <u>TOPIC 2: COMPARE NUMBERS 0 TO 5</u> FOCUS: Comparing numbers from 0 to 5. Lesson 2-1: Equal Groups Lesson 2-2: Greater Than
Week 6 Sep 11th to 15th <i>12-14 ~ Pre-Exam Days</i>	Lesson 2-3: Less Than Lesson 2-4: Compare Groups to 5 by Counting Lesson 2-5: PROBLEM SOLVING: Model with Math Topic 2 Review and Assessment
Week 7 Sep 18th to 22nd	<u>TOPIC 3: NUMBERS 6 TO 10</u> FOCUS: Counting Sequence on numbers 6 to 10. Lesson 3-1: Count 6 and 7 Lesson 3-2: Read, Make and Write 6 and 7 Lesson 3-3: Count 8 and 9
Week 8 Sep 25th to 29th No Classes <i>25-28 ~Teacher's Conference</i> <i>29 – Moon Festival Holiday</i>	No Classes
Week 9 Oct 2nd to 6th <u>3 Days of Class</u> <i>5-6 ~Q1 Exams</i>	Lesson 3-4: Read, Make and Write 8 and 9 Lesson 3-5: Count 10 Lesson 3-6: Read, Make and Write 10

2nd QUARTER – TENTATIVE COURSE CONTENT

(NB: Depending on time and interest, the teacher may delete and/or add other selections.)	
Week / Date	Topic / Projects / Assessments
Week 1 (10) Oct 9th to 13th <u>3 Days of Class</u> <i>9-10 – Double 10 Holiday</i>	Lesson 3-7: Count Numbers to 10 Lesson 3-8: PROBLEM SOLVING: Look For and Use Structure Topic 3 Review and Assessment <u>TOPIC 4: COMPARE NUMBERS 0 TO 10</u> FOCUS: Comparing numbers from 0 to 10. Lesson 4-1: Compare Groups to 10 by Matching
Week 2 (11) Oct 16th to 20th	Lesson 4-2: Compare Numbers Using Numerals to 10 Lesson 4-3: Compare Groups to 10 by Counting Lesson 4-4: Compare Numbers to 10
Week 3 (12) Oct 23rd to 27th	Lesson 4-5: PROBLEM SOLVING: Repeated Reasoning Topic 4 Review and Assessment

	<u>TOPIC 5: CLASSIFY AND COUNT DATA</u> FOCUS: Classify objects and count the number of objects in each category Lesson 5-1: Classify Objects Into Categories Lesson 5-2: Count the Number of Objects In Each Category
Week 4 (13) Oct 30th to Nov 3rd <i>1 - All Saint's Day Mass</i>	Lesson 5-3: Sort the Categories by Counting Lesson 5-4: PROBLEM SOLVING: Critique Reasoning Topic 5 Review and Assessment <u>TOPIC 6: UNDERSTAND ADDITION</u> FOCUS: Deep understanding of addition as “put together” and “add to.” Lesson 6-1: Explore Addition
Week 5 (14) Nov 6th to 10th	Lesson 6-2: Represent Addition as Adding To Lesson 6-3: Represent Addition as Putting Together Lesson 6-4: Represent and Explain Addition with Equations
Week 6 (15) Nov 13th to 17th	Lesson 6-5: Solve Addition Word Problems: Add To Lesson 6-6: Solve Addition Word Problems: Put Together Lesson 6-7: Use Patterns to Develop Fluency in Addition
Week 7 (16) Nov 20th to 24th	Lesson 6-8: PROBLEM SOLVING: Model with Math Topic 6 Review and Assessment <u>TOPIC 7: UNDERSTAND SUBTRACTION</u> FOCUS: Deep understanding of addition as “take apart” and “take from.” Lesson 7-1: Explore Subtraction Lesson 7-2: Represent Subtraction as Taking Apart
Week 8 (17) Nov 27th to Dec 1st	Lesson 7-3: Represent Subtraction Lesson 7-4: Represent and Explain Subtraction with Equations Lesson 7-5: Solve Subtraction Word Problems: Taking From and Apart
Week 9 (18) Dec 4th to 8th <i>8 - Foundation Day Celebrations</i>	Lesson 7-6: Use Patterns to Develop Fluency in Subtraction Lesson 7-7: PROBLEM SOLVING: Use Appropriate Tools TOPIC 1-7 QUARTER EXAM REVIEW
Week 10 (19) Dec 11th to 15th <u>3 Days of Class</u> <i>14-15 ~ Q2 Exams</i>	QUARTER EXAM
Dec 18th to Jan 1st	Christmas Holiday

3rd QUARTER – TENTATIVE COURSE CONTENT

(NB: Depending on time and interest, the teacher may delete and/or add other selections.)

Week / Date	Topic / Projects / Assessments
Week 1 (20) Jan 3rd to 5th <u>3 Days of Class</u> <i>4 ~ New Year Mass</i>	<u>TOPIC 8: MORE ADDITION and SUBTRACTION</u> FOCUS: Word problem, both addends unknown, with sums to 10, and finding missing parts of 10. Lesson 8-1: Decompose 5 to Solve Problems Lesson 8-2: Related Facts Lesson 8-3: PROBLEM SOLVING: Reasoning
Week 2 (21) Jan 8th to 12th	Lesson 8-4: Fluently Add and Subtract to 5 Lesson 8-5: Decompose 6 and 7 to Solve Problems Lesson 8-6: Decompose 8 and 9 to Solve Problems
Week 3 (22) Jan 15th to 19th	Lesson 8-7: Ways to make 10 Lesson 8-8: Decompose 10 to Solve Problems Lesson 8-9: Find the Missing Part of 10
Week 4 (23) Jan 22nd to 26th	Lesson 8-10: Continue to Find the Missing Part of 10 Topic 8 Review and Assessment <u>TOPIC 9: COUNT NUMBERS TO 20</u> FOCUS: Counting sequence on numbers 11 to 20. Lesson 9-1: Count, Read, and Write 11 and 12 Lesson 9-2: Count, Read, and Write 13, 14, and 15
Week 5 (24) Jan 29th to Feb 2nd	Lesson 9-3: Count, Read, and Write 16 and 17 Lesson 9-4: Count, Read, and Write 18, 19 and 20 Lesson 9-5: Count Forward from Any Number to 20
Week 6 (25) Feb 5th to 9th <u>3 Days of Class</u> <i>8-9 ~ CNY</i>	Lesson 9-6: Count to Find How Many Lesson 9-7: PROBLEM SOLVING: Reasoning Topic 9 Review and Assessment <u>TOPIC 10: COMPOSE AND DECOMPOSE NUMBERS 11 TO 19</u> FOCUS: Composition and Decomposition of numbers 11 to 19. Lesson 10-1: Make 11, 12, and 13
Feb 8th to 16th	CNY Holiday
Week 7 (26) Feb 19th to 23rd <i>19 ~ Lenten Mass</i> <i>21-23 ~ Pre-Exam Days</i>	Lesson 10-2: Make 14, 15, and 16 Lesson 10-3: Make 17, 18, and 19 Lesson 10-4: Find Parts of 11, 12, and 13
Week 8 (27) Feb 26th to March 1st <u>4 Days of Class</u> <i>28 ~ 228 Memorial Day Holiday</i>	Lesson 10-5: Find Parts of 14, 15, and 16 Lesson 10-6: Find Parts of 17, 18, and 19 Lesson 10-7: PROBLEM SOLVING: Look For and Use Structure Topic 10 Review and Assessment
Week 9 (28) March 4th to 8th <u>4 Days of Class</u> <i>8 ~ Q3 Exams</i>	<u>TOPIC 11: COUNT NUMBERS TO 100</u> FOCUS: Extending the number names and counting to 100. Lesson 11-1: Counting Using Patterns to 30 Lesson 11-2: Count by Ones and by Tens to 50 Lesson 11-3: Count by Tens to 100

4th QUARTER – TENTATIVE COURSE CONTENT

(NB: Depending on time and interest, the teacher may delete and/or add other selections.)

Week / Date	Topic / Projects / Assessments
Week 1 (29) March 11th to 15th <u>4 Days of Class</u> <i>11 ~ Q3 Exams</i> <i>12 ~ Q4 Begins</i>	Lesson 11-4: Count by Ones to 100 Lesson 11-5: PROBLEM SOLVING: Look For and Use Structure Topic 11 Review and Assessment <u>TOPIC 12: IDENTIFY AND DESCRIBE THE SHAPES</u> FOCUS: Identifying and describing shapes. Lesson 12-1: Two-Dimensional (2D) and Three-Dimensional (3-D) Shapes
Week 2 (30) March 18th to 22nd <i>18-21 ~ Fire Drill</i>	Lesson 12-2: Circles and Triangles Lesson 12-3: Squares and Other Rectangles Lesson 12-4: Hexagons
March 25th to Apr 5th	Easter Holiday
Week 3 (31) Apr 8th to 12th <i>10 ~ Easter Mass</i>	Lesson 12-5: Solid Figures Lesson 12-6: Describe Shapes in the Environment Lesson 12-7: PROBLEM SOLVING: Precision Topic 12 Review and Assessment
Week 4 (33) Apr 15th to 19th	<u>TOPIC 13: ANALYZE, COMPARE, AND CREATE SHAPES</u> FOCUS: Analyzing and comparing attributes of shapes shown in different sizes and orientations. Lesson 13-1: Analyze and Compare Two-Dimensional (2D) Shapes Lesson 13-2: Analyze and Compare Three-Dimensional (3D) Shapes Lesson 13-3: Compare 2-D and 3-D Shapes
Week 5 (34) Apr 22th to 26th <i>22-26 ~ AP Mock Exams</i>	Lesson 13-4: PROBLEM SOLVING: Make Sense and Persevere Lesson 13-5: Make 2-D Shapes from Other 2-D Shapes Lesson 13-6: Build 2-D Shapes
Week 6 (35) Apr 29th to May 3rd <i>1-2 ~ Pre-Exam</i> <i>1-10~ Final Exams (K, 5, 8, 12 only)</i> <i>4/29 – 5/10 ~ AP Exams</i>	Lesson 13-7: Build 3-D Shapes Topic 13 Review and Assessment <u>TOPIC 14: DESCRIBE AND COMPARE MEASURABLE ATTRIBUTES</u> FOCUS: Describing and comparing measurable attributes. Lesson 14-1: Describe and Compare by Length and Height Lesson 14-2: Describe and Compare by Capacity Lesson 14-3: Describe and Compare by Weight
Week 7 (36) May 6th to 10th <i>1-10~ Final Exams (K, 5, 8, 12 only)</i> <i>4/29 – 5/10 ~ AP Exams</i>	Lesson 14-4: Describe Objects by Measurable Attributes Lesson 14-5: Describe and Compare Objects by Measurable Attributes Lesson 14-6: PROBLEM SOLVING: Precision Topic 14 Review and Assessment

	TOPIC 8-14 QUARTER EXAM REVIEW
Week 8 (37) May 13th to 17th <u>2 Days of Class</u> <i>15-16 ~ Q4 Exams</i> <i>17 ~ Record Day</i>	QUARTER/FINAL EXAM
Week 9 (38) May 20th to 24th <u>ACTIVITIES:</u> <i>Double check the school calendar and emails from the administration.</i>	GRADUATION REHEARSAL
Week 10 (39) May 27th to 31st <u>ACTIVITIES:</u> <i>Double check the school calendar and emails from the administration.</i>	GRADUATION