



MATH **COURSE SYLLABUS**

GRADE LEVEL: Kindergarten

SCHOOL YEAR: 2024-25

TEACHER: Donna Wolfe

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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 to process and manipulate numerical information.

Mathematics is inquiry-based. Students are encouraged to explore addition, subtraction, numbers up to one hundred, measurement, geometry, data, and graphing. The program is very hands-on. Students begin 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 number sense, data, geometric objects, and measurement.
- The student will come to understand the relationship between numbers and quantities, the concept of time and units to measure it, identify basic objects by their geometric features, and sort and classify objects.
- The student will enhance their number sense and operations.
- The student will learn how to develop mathematical 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/-/>

Our School Website: <http://www.dishs.tp.edu.tw/>

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

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

Week / Date	Topic / Projects / Assessments
<p style="text-align: center;">Week 1 Aug 12th to 16th 4 Days of Class 12~ First Day / Orientation Day 15~ Opening Mass & Assumption of Our Lady 8:00 15~ Induction of Class, Student Council Officers and DYM</p>	<ul style="list-style-type: none"> • Students' and Parents' Orientation • Welcome to K2 • Environmental Language • Classroom Commands and Routines
<p style="text-align: center;">Week 2 Aug 19th to 23rd</p>	<p><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 Lesson 1-4: Count 4 and 5</p>
<p style="text-align: center;">Week 3 Aug 26st to 30th 26~Fire drill? 26~Middle and High School Catholic Bridge Program (after assembly) 28~St. Dominic de Guzman Feast Day Celebration</p>	<p>Lesson 1-5: Recognize 4 and 5 in Different Arrangements Lesson 1-6: Read, Make, and Write 4 and 5 Lesson 1-7: Identify the Number 0 Lesson 1-8: Read and Write 0</p>
<p style="text-align: center;">Week 4 Sep 2nd to 6th 2~House Ceremony</p>	<p>Lesson 1-9: Numbers to 5 Lesson 1-10: PROBLEM SOLVING: Construct Arguments Topic 1 Review and Assessment</p> <p><u>TOPIC 2: COMPARE NUMBERS 0 TO 5</u> FOCUS: Comparing numbers from 0 to 5. Lesson 2-1: Equal Groups</p>
<p style="text-align: center;">Week 5 Sep 9th to 13th 9~ Mass & Birthday Mother Mary& VIP Induction</p>	<p>Lesson 2-2: Greater Than Lesson 2-3: Less Than Lesson 2-4: Compare Groups to 5 by Counting Lesson 2-5: PROBLEM SOLVING: Model with Math</p>
<p style="text-align: center;">Week 6 Sep 16th to 20th 1 Day of Class 17~Moon Festival 18-20~ Teacher's Conference</p>	<p style="text-align: center;">Topic 2 Review and Assessment</p>
<p style="text-align: center;">Week 7 Sep 23rd to 27th 24-26~Pre-Exam Days</p>	<p><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 Lesson 3-4: Read, Make and Write 8 and 9</p>
<p style="text-align: center;">Week 8 Sep 30th to Oct 4th</p>	<p>Lesson 3-6: Read, Make and Write 10 Lesson 3-7: Count Numbers to 10</p>

	Lesson 3-8: PROBLEM SOLVING: Look For and Use Structure Topic 3 Review and Assessment
Week 9 Oct 7th to 11th 1 Day of Class 7~Launching - Rosary Month and Bullying Prevention Day 8-9 ~Q1 Exams 10~Double Ten 11~Record Day	<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

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 14th to 18th 14- Second Quarter Begins	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 Lesson 4-5: PROBLEM SOLVING: Repeated Reasoning
Week 2 (11) Oct 21st to 25th 25 – Book Fair 25- Masquerade Night	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 Lesson 5-3: Sort the Categories by Counting
Week 3 (12) Oct 28th to Nov 1st 1-All Saint's Day Mass	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 Lesson 6-2: Represent Addition as Adding To
Week 4 (13) Nov 4th to Nov 8th	Lesson 6-3: Represent Addition as Putting Together Lesson 6-4: Represent and Explain Addition with Equations Lesson 6-5: Solve Addition Word Problems: Add To Lesson 6-6: Solve Addition Word Problems: Put Together
Week 5 (14) Nov 11th to 15th	Lesson 6-7: Use Patterns to Develop Fluency in Addition 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

Week 6 (15) Nov 18th to 22nd 22-Gr.12 Q2 Exam 22 - YSC Contest	Lesson 7-2: Represent Subtraction as Taking Apart 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 7 (16) Nov 25th to 29th 25-Gr.12 Q2 Exam 26-28~Pre-Exam Day	Lesson 7-6: Use Patterns to Develop Fluency in Subtraction Lesson 7-7: PROBLEM SOLVING: Use Appropriate Tools Topic 7 Review and Assessment <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
Week 8 (17) Dec 2nd to Dec 6th 6~Half Day Foundation Day Celebrations	Lesson 8-2: Related Facts Lesson 8-3: PROBLEM SOLVING: Reasoning Lesson 8-4: Fluently Add and Subtract to 5 Lesson 8-5: Decompose 6 and 7 to Solve Problems
Week 9 (18) Dec 9th to 13th 3 Days of Class 12-13 ~Q2 Exams	TOPIC 1-7 QUARTER EXAM REVIEW QUARTER EXAM
Dec 16th to Jan 3rd	Christmas Break

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 (19) Jan 6th to 10th 4 Days of Class 6~Record Day 7~Third Quarter Begins 10 ~ New Year Mass	Lesson 8-6: Decompose 8 and 9 to Solve Problems 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 2 (20) Jan 13th to 17th	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 3 (21) Jan 20th to 24th	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 Lesson 9-6: Count to Find How Many

Jan 27 th to Jan 31 st	Chinese New Year
<p>Week 4 (22) Feb 3rd to 7th</p>	<p>Lesson 9-7: PROBLEM SOLVING: Reasoning Topic 9 Review and Assessment</p> <p><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 Lesson 10-2: Make 14, 15, and 16</p>
<p>Week 5 (23) Feb 10th to 14th 1-14~Catholic Week</p>	<p>Lesson 10-3: Make 17, 18, and 19 Lesson 10-4: Find Parts of 11, 12, and 13 Lesson 10-5: Find Parts of 14, 15, and 16 Lesson 10-6: Find Parts of 17, 18, and 19</p>
<p>Week 6 (24) Feb 17th to 21st</p>	<p>Lesson 10-7: PROBLEM SOLVING: Look For and Use Structure Topic 10 Review and Assessment</p> <p><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</p>
<p>Week 7 (25) Feb 24th to 28th <u>4 Days of Class</u> 24~Lenten Mass? 25-27 ~ Pre-Exam Days 24-27~IOWA Assessments 28 ~ Memorial Day Holiday</p>	<p>Lesson 11-3: Count by Tens to 100 Lesson 11-4: Count by Ones to 100 Lesson 11-5: PROBLEM SOLVING: Look For and Use Structure Topic 11 Review and Assessment</p>
<p>Week 8 (26) March 3rd to 7th 5~ Ash Wednesday</p>	<p><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 Lesson 12-2: Circles and Triangles Lesson 12-3: Squares and Other Rectangles Lesson 12-4: Hexagons</p>
<p>Week 9 (27) March 10th to 14th <u>4 Days of Class</u> 14 – Q3 Exams</p>	<p>Lesson 12-5: Solid Figures Lesson 12-6: Describe Shapes in the Environment Lesson 12-7: PROBLEM SOLVING: Precession Topic 12 Review and Assessment</p>

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 (28) March 17th 21st <u>4 Days of Class</u> 17 – Q3 Exams 18~ Fourth Quarter Begins 18~ Fire Drill? 19~ Feast of St. Joseph	<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 Lesson 13-4: PROBLEM SOLVING: Make Sense and Persevere
Week 2 (29) March 24th to 28th	Lesson 13-5: Make 2-D Shapes from Other 2-D Shapes Lesson 13-6: Build 2-D Shapes Lesson 13-7: Build 3-D Shapes Topic 13 Review and Assessment
Week 3 (30) March 31st to April 4th <u>4 Days of Class</u> 4~Tomb Sweeping	<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 Lesson 14-4: Describe Objects by Measurable Attributes
Week 4 (31) Apr 7th to 11th	Lesson 14-5: Describe and Compare Objects by Measurable Attributes Lesson 14-6: PROBLEM SOLVING: Precision Topic 14 Review and Assessment
April 14th to April 18th	Easter Break
Week 5 (32) Apr 21st to 25th 23~Easter Mass 21-25 ~ AP Mock Exams 26~Spring Fair	TOPIC 8-14 QUARTER EXAM REVIEW
Week 6 (33) Apr 28th to May 2nd 4/29-5/1~ Pre-Exam Days 1-2~ Final Exams (K, 5, 8, 12 only)	
Week 7 (34) May 5th to 9th 5-9~ Final Exams (K, 5, 8, 12 only) 5-9 ~ AP Exams	FINAL/4TH QUARTER EXAM
Week 8 (35) May 12th to 16th <u>4 Days of Class</u> 14-15~ Q4 Exam 16~ Record Day 12-16 ~ AP Exams	GRADUATION REHEARSALS
Week 9 (36) May 19th to 23rd 19-23 ~ Student Clearance 19~ Baccalaureate Mass	

23~Gr. 6 – 7 Recognition and Gr. 8
Graduation

Week 10 (37)

May 26th to 30th

4 Days of Class

26~House Culminating Activity

27~Gr. 9-11 Recognition and Gr. 12
Graduation

28! Class Party

29- ~ Students Last Day

30~ Teachers/Staff Meeting

KINDERGARTEN GRADUATION