



Math COURSE SYLLABUS

GRADE LEVEL: Pre-Kindergarten

SCHOOL YEAR: 2024 - 2025

TEACHER: Ms. Vivian Lee

Ms. Christine Lai

MAIL: vlee@dishs.tp.edu.tw

clai@dishs.tp.edu.tw

COURSE DESCRIPTION:

The curriculum for Kindergarten Math we use Common Core Math as our standards. The kindergarten math program offers basic math skills that children will need for their future learning. We begin our learning journey by introducing topics that are at their level, such as 1-5, shapes and patterns, in conjunction with our SLOs and DIS's VISION MISSION, which insure children learning in a fun and practical matter. Students will start by learning mathematics vocabulary, recognizing the number characters, counting and finally adding and subtraction. By doing so, we give children the necessary words to express their mathematical ideas and give children the meaning of each number characters. We include math into our classroom activities in many different ways, such as sing counting songs, count and color items and use basic adding concept into our games. To make math more applicable, we also teach children how to apply math in their daily life, for example using money to buy things, which makes children realize we can also use math outside of the classroom.

COURSE OBJECTIVES:

At the end of the course students should be able to:

1. Count from 1-10.
2. Recognize numerals.
3. Recognize and name basic shapes.
4. Recognize and create the shapes that have symmetry.
5. Understand the pattern.
6. Recognize the measurable attributes of length, weight, capacity, and temperature.
7. Compare objects according to their attributes.
8. Understand time of day and time of year.
9. Recognize the order of events.
10. Associate characteristic with season.
11. Collect, organize, analyze, and display data.
12. Understand the meanings and effects of the addition and subtraction.

ASSESSMENT:

- Oral assessment:
 - After each lesson, students' ability of answering topic related questions will be count as part of the oral assessment.

- At the end of each unit, the ability to point out and elaborate on the flash cards that represent key vocabularies of the unit will be another oral assessment.
- Check List:
 - A check list made according to the standers will be use to assess children’s understanding after each unit.
- Observation:
 - A spontaneous in class observation will be done by teacher as a major identification of each child’s understanding of the topic.
- Written Assessment:
 - At the end of each semester a written exam will be given.

PRIMARY TEXTBOOK & OTHER RESOURCES

World of Wonders Unit 1 to 10

Shanahan, T., Fisher, D., & Walker-Dalhouse, D. (2017). *World of Wonders: Developing Early Learners*. McGraw-Hill Education.

ADDITIONAL INFORMATION

Please see Google Classroom for more information.

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
<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>	Orientation Welcome to K1 Getting Children ready for the upcoming year! Assess Initial Understandings Manipulative and More
<p style="text-align: center;">Week 2 Aug 19th to 23rd</p>	Counting: <ul style="list-style-type: none"> - Count by clapping - Count by finger - Count by jumping - Oral counting Songs: <ul style="list-style-type: none"> - Number songs - Counting songs Games: <ul style="list-style-type: none"> - Find groups of 2 and 3 - Number Matching
<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>	Counting: <ul style="list-style-type: none"> - Count by clapping - Count by finger - Count by jumping - Oral counting Songs: <ul style="list-style-type: none"> - Number songs - Counting songs Counting Games: <ul style="list-style-type: none"> - Counting Numbers 1-5 - Compare numbers - Number Games Numeral Writing: <ul style="list-style-type: none"> - Writing 1-3 Game: <ul style="list-style-type: none"> - Match the writing with the counters
<p style="text-align: center;">Week 4</p>	Song:

<p>Sep 2nd to 6th 2~House Ceremony</p>	<p>The Number songs-five little duck, 5 little monkey, the ants are marching, 1-2 buckle my shoes.</p> <ul style="list-style-type: none"> - Five Little Ducks - Five Little Monkeys - The Ants Are Marching - 1-2 Buckle My Shoes <p>Numeral Writing:</p> <ul style="list-style-type: none"> - Writing 4-5
<p>Week 5 Sep 9th to 13th 9~ Mass & Birthday Mother Mary& VIP Induction</p>	<p>Counting Review:</p> <ul style="list-style-type: none"> - Counting Numbers 1-5 - Count in different ways - Counting songs - Compare Numbers - Number Games <p>Numeral Writing:</p> <ul style="list-style-type: none"> - Writing 1-5
<p>Week 6 Sep 16th to 20th 1 Day of Class 17~Moon Festival 18-20~ Teacher's Conference</p>	<p>Identify shapes:</p> <ul style="list-style-type: none"> - Circle - Square <p>Games:</p> <ul style="list-style-type: none"> - Shape sort - Shape puzzle
<p>Week 7 Sep 23rd to 27th 24-26~Pre-Exam Days</p>	<p>Identify shapes:</p> <ul style="list-style-type: none"> - Triangle - Rectangle <p>Games:</p> <ul style="list-style-type: none"> - Shape sort - Count 1-5 with the shapes - Shape hunt
<p>Week 8 Sep 30th to Oct 4th</p>	<p>Pattern with shapes:</p> <ul style="list-style-type: none"> - Pattern game - Count with shapes <p>Games:</p> <ul style="list-style-type: none"> - Count with the shapes - Finger play: Song - Five Little Ducks
<p>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</p>	<p>Number / Shapes / Shape Attributes</p> <ul style="list-style-type: none"> - Counting songs - Count patterns - Compare shapes and sides - Triangle has 3 sides and 3 vertices - Square has 4 sides and 4 vertices <p>Art:</p> <ul style="list-style-type: none"> - Making shape art

2nd 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
<p>Week 1 (10) Oct 14th to 18th 14~ Second Quarter Begins</p>	<p>Counting Numbers:</p> <ul style="list-style-type: none"> - Introduce 6 - Review 1-5 - Number book <p>Games:</p> <ul style="list-style-type: none"> - Count with counters
<p>Week 2 (11) Oct 21st to 25th 25 – Book Fair 25- Masquerade Night</p>	<p>Counting:</p> <ul style="list-style-type: none"> - Count with shapes - Make a number book with shapes

	<p>Numeral Writing:</p> <ul style="list-style-type: none"> - Review 1-5 - Write 6 <p>Song:</p> <ul style="list-style-type: none"> - Number song <p>Games:</p> <ul style="list-style-type: none"> - Computer activities
<p>Week 3 (12) Oct 28th to Nov 1st <i>1-All Saint's Day Mass</i></p>	<p>Counting:</p> <ul style="list-style-type: none"> - Counting 7 <p>Games:</p> <ul style="list-style-type: none"> - Count and match 7 - Counting with our body - Count the sides of the shapes and match with the number <p>Numeral Writing:</p> <ul style="list-style-type: none"> - Writing 7
<p>Week 4 (13) Nov 4th to Nov 8th</p>	<p>Counting:</p> <ul style="list-style-type: none"> - Counting 8 <p>Games:</p> <ul style="list-style-type: none"> - Count and match 8 - Counting with our body - Count the sides of the shapes and match with the number <p>Numeral Writing: Writing 8</p>
<p>Week 5 (14) Nov 11th to 15th</p>	<p>Counting:</p> <ul style="list-style-type: none"> - Counting 9 <p>Games:</p> <ul style="list-style-type: none"> - Count and match 9 - Counting with our body - Count the sides of the shapes and match with the number <p>Numeral Writing: Writing 9</p>
<p>Week 6 (15) Nov 18th to 22nd <i>22-Gr.12 Q2 Exam</i> <i>22 - YSC Contest</i></p>	<p>Counting:</p> <ul style="list-style-type: none"> - Counting 10 <p>Games:</p> <ul style="list-style-type: none"> - Count and match 10 - Counting with our body - Count the sides of the shapes and match with the number <p>Numeral Writing: Writing 10</p>
<p>Week 7 (16) Nov 25th to 29th <i>25-Gr.12 Q2 Exam</i> <i>26-28~Pre-Exam Day</i></p>	<p>Number sequences</p> <ul style="list-style-type: none"> - Put numbers in orders <p>Game:</p> <ul style="list-style-type: none"> - Connect the numbers <p>Count forward and backward</p> <ul style="list-style-type: none"> - Learn how to count to 10 and count back <p>Number match</p>
<p>Week 8 (17) Dec 2nd to Dec 6th 6~Half Day <i>Foundation Day Celebrations</i></p>	<p>Review</p> <ul style="list-style-type: none"> - Sorting numbers - Matching the number with the counters <p>Numbers 1-10</p> <ul style="list-style-type: none"> - Count - Read - Match <p>Shapes</p> <ul style="list-style-type: none"> - Name - Compare <p>Pattern</p>
<p>Week 9 (18) Dec 9th to 13th 3 Days of Class <i>12-13 ~Q2 Exams</i></p>	<p>Exam Week</p>

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
<p>Week 1 (19) Jan 6th to 10th 4 Days of Class 6~Record Day 7~Third Quarter Begins 10 ~ New Year Mass</p>	<p>Counting Numbers: - Review numbers 1-10 - Count by jumping - Oral counting - Introduce 11</p> <p>Songs: - Number songs - Counting songs</p> <p>Counting Games: - Counting Numbers 1-20 - Compare numbers - Number Games</p> <p>Numeral Writing: - Writing 11</p> <p>Game: - Match the writing with the counters</p>
<p>Week 2 (20) Jan 13th to 17th</p>	<p>Counting Numbers: - Review numbers 1-11 - Count by clapping - Introduce 12-13</p> <p>Songs: - Number songs - Counting songs</p> <p>Counting Games: - Counting Numbers 1-20 - Compare numbers - Number Games</p> <p>Numeral Writing: - Writing 12-13</p> <p>Game: - Match the writing with the counters</p>
<p>Week 3 (21) Jan 20th to 24th</p>	<p>Counting Numbers: - Review numbers 1-13 - Count by clapping - Introduce 14-15</p> <p>Songs: - Number songs - Counting songs</p> <p>Counting Games: - Counting Numbers 1-20 - Compare numbers - Number Games</p> <p>Numeral Writing: - Writing 14-15</p> <p>Game: - Match the writing with the counters</p>
<p>Jan 27th to Jan 31st</p>	<p>Chinese New Year</p>
<p>Week 4 (22) Feb 3rd to 7th</p>	<p>Solid Shapes - Sphere - Rectangular Prism Introduce the shapes</p>

Week 5 (23) Feb 10th to 14th <i>1-14~Catholic Week</i>	Solid Shapes: <ul style="list-style-type: none"> - Cube - Cone Introduce shapes
Week 6 (24) Feb 17th to 21st	Compare attribute <ul style="list-style-type: none"> - Sides and corners
Week 7 (25) Feb 24th to 28th 4 Days of Class <i>24~Lenten Mass?</i> <i>25-27 ~ Pre-Exam Days</i> <i>24-27~IOWA Assessments</i> <i>28 ~ Memorial Day Holiday</i>	Build Your shapes Use the attributes to build your own shape
Week 8 (26) March 3rd to 7th <i>5~ Ash Wednesday</i>	Review Solid Shapes
Week 9 (27) March 10th to 14th 4 Days of Class <i>14 – Q3 Exams</i>	Counting Numbers: <ul style="list-style-type: none"> - Review numbers 1-15 - Introduce 16-17 Songs: <ul style="list-style-type: none"> - Number songs - Counting songs Counting Games: <ul style="list-style-type: none"> - Counting Numbers 1-20 - Compare numbers - Number Games Numeral Writing: <ul style="list-style-type: none"> - Writing 16-17 Game: <ul style="list-style-type: none"> - Match the writing with the counters - Computer activities

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 4 Days of Class <i>17 – Q3 Exams</i> <i>18~ Fourth Quarter Begins</i> <i>18~ Fire Drill?</i> <i>19~ Feast of St. Joseph</i>	Counting Numbers: <ul style="list-style-type: none"> - Review numbers 1-16 - Introduce 17-18 Songs: <ul style="list-style-type: none"> - Number songs - Counting songs Counting Games: <ul style="list-style-type: none"> - Counting Numbers 1-20 - Compare numbers - Number Games Numeral Writing: <ul style="list-style-type: none"> - Writing 17-18 Game: <ul style="list-style-type: none"> - Computer activities
Week 2 (29) March 24th to 28th	Counting Numbers: <ul style="list-style-type: none"> - Review numbers 1-18 - Introduce 19-20 Songs: <ul style="list-style-type: none"> - Number songs Counting Games: <ul style="list-style-type: none"> - Counting Numbers 1-20

	<ul style="list-style-type: none"> - Compare numbers - Number Games Numeral Writing: <ul style="list-style-type: none"> - Writing 19-20 Game: <ul style="list-style-type: none"> - Bingo - Computer activities
Week 3 (30) March 31st to April 4th 4 Days of Class 4~Tomb Sweeping	Measure height <ul style="list-style-type: none"> - Tall vs Short Compare different height
Week 4 (31) Apr 7th to 11th	Measure weight <ul style="list-style-type: none"> - Heavy vs Light - Which one is heavy which one is light
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	Measure length <ul style="list-style-type: none"> - Long vs Short Compare different length
Week 6 (33) Apr 28th to May 2nd 4/29-5/1~ Pre-Exam Days 1-2~ Final Exams (K, 5, 8, 12 only)	Measure capacity <ul style="list-style-type: none"> - More Capacity vs Less Capacity Compare different capacity
Week 7 (34) May 5th to 9th 5-9~ Final Exams (K, 5, 8, 12 only) 5-9 ~ AP Exams	Review / Exam Week
Week 8 (35) May 12th to 16th 4 Days of Class 14-15~ Q4 Exam 16~ Record Day 12-16 ~ AP Exams	Exam Week
Week 9 (36) May 19th to 23rd 19-23 ~ Student Clearance 19~ Baccalaureate Mass 23~Gr. 6 – 7 Recognition and Gr. 8 Graduation	Activity Week
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	Activity Week