

Dominican International School Kaohsiung 高雄市私立道明外僑學校

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Course Syllabus

Subject: Math Teacher: Ms. Maileen B. Pacio Grade: K SY: 2023-2024 Email: mpacio@disk.kh.edu.tw

Course Description:

The students acquire a basic conceptual understanding of the base 20 numeral 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 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 Requirements:

- The course will be conducted through lectures, discussions, practice material, projects, and student presentations. Students are strongly encouraged to raise questions and make comments in class. Participation is the key to success.
- Students are required to complete each assignment by the due date that is assigned. Staying on track with assignments will facilitate understanding of the class material.
- Students are encouraged to communicate concerns to teachers and ask for help as needed throughout the school year.
- Students are expected to organize their own class materials and to keep their work neat and tidy. Parents are encouraged to help students by labeling personal items with identification stickers with the student's name in English.
- Students will observe all school policies as outlined in the DISK Handbook. This includes arriving at school on time, abiding by the dress code, and speaking only English on the school grounds.
- Students will observe all school policies on Academic Honesty, as outlined in the DISK Handbook. All cases of academic misconduct (such as cheating on tests or plagiarism)

will automatically result in a "Fail" grade for the assignment, in addition to any sanctions that may be imposed by the School Discipline office.

Textbooks:

GO Math Dixon, Juli K., et al. *Go Math!* Houghton Mifflin Harcourt, 2012.

Classroom Rules and Expectations:

- As you enter at the beginning of the day, respectfully place all property and related materials in the correct place (Ex: backpacks in own cubbies, communication book in related folder).
- During lessons, please raise your hand to speak and speak in English.
- Bring all required materials (pencils, markers, scissors, etc) to class.
- Students must enter the classroom in a quiet and controlled manner.
- The doors should be gently closed with care.
- Students must not leave the room without supervision of a teacher and/or permission from a teacher.
- Respect the personal space of others while moving around the room or lining up. We respectfully keep our hands to ourselves.
- All snacks are to be eaten outside of the room. Only water is allowed in the classroom.

Classroom Expectations: Be a STAR!

- <u>Spiritual:</u> Be grateful for learning opportunities and kind to others.
- <u>Truthful:</u> Be the friend that is dependable and honest.
- <u>Active</u>: Come to class ready to participate.
- <u>Responsible</u>: You are in charge of your materials and assignments.
- <u>Studious:</u> Stay focused on your study goals and you will reach them.

Class Materials Required:

- GO Math Textbook and workbook
- Math notebook
- Pencil case with pencils, erasers, glue, ruler etc.

Assessment:

- 30% Class Participation & Seatwork
- 30% Homework, Minor Projects, & Portfolio
- 30% Quarter Exam, Assessment, Unit Tests, & Major Projects
- 10% Deportment

Quarter One - Pacing Guide

DATE	TOPIC	
Q1 W1	Introduction, rules, and procedures / Progress Testing	
W2	Represent, Count, and Write 0-5 Ch 1: Operations and Algebraic Thinking	
W3	Compare Numbers to 5 Ch 2: Counting and Cardinality	
W4	Problem Solving Ch 2: Counting and Cardinality	
W5	Represent, Count, and Write 6-9 Ch 3: Compare Numbers	
W6	Problem Solving Ch 3: Compare Numbers	
W7	Represent and Compare Numbers to 10 Ch 4: Counting and Cardinality	
W8	Review material - Q1 Assessment	

Quarter Two - Pacing Guide

DATE	TOPIC - Addition/Subtraction Numbers in Base 10	
Q2 W1	Review Ch 1-4	
W2	Addition Ch 5: Operations and Algebraic Thinking	
W3	Problem Solving Ch 5: Operations and Algebraic Thinking	
W4	Subtraction Ch 6: Operations and Algebraic Thinking	
W5	Problem Solving Ch 6: Operations and Algebraic Thinking	
W6	Review Ch 5-6	
W7	Represent, Count, and Write 11-19 Ch 7: Number and Operations in Base Ten	
W8	Represent, Count, and Write 20 and beyond Ch 8: Counting and Cardinality	
W9	Review Material- Q2 Assessment	
W10	Review Ch 5-8	

Quarter Three - Pacing Guide

DATE	TOPIC - Numbers in Base 10	
Q3 W1	Identify and Describe Two-Dimensional Shapes: Circles, Squares, Triangles Ch 9	
W2	Identify and Describe Two-Dimensional Shapes: Rectangles, Hexagons Ch 9	
W3	Problem Solving Ch 9	
W4	Identify and Describe Three-Dimensional Shapes: Spheres and Cubes Ch 10	
W5	Identify and Describe Three-Dimensional Shapes: Cylinders and Cones Ch 10	
W6	Problem Solving Ch 10	
W7	Review Two and Three-Dimensional Shapes	
W8	Measurement: Lengths Ch 11	
W9	Measurement: Heights Ch 11	
W10	Review Materials- Q3 Assessments	

Quarter Four - Pacing Guide

DATE	ΤΟΡΙϹ	
Q4 W1	ITBS Practice /Testing	
W2	Measurement: Weight Ch11	
W3	Review Measurement: Lengths, Heights, and Weight Ch11	
W4	Classify and Sort Data: Color Ch12	
W5	Classify and Sort Data: Shape Ch12	
W6	Classify and Sort Data: Size Ch12	
W7	Problem Solving Ch 12	
W8	Review Ch 12	
W9	Review Materials	
W10	Q4 Assessment	