

## Dominican International School Kaohsiung



### Course Syllabus

**Subject:** Math  
**Teacher:** Mr. Blain

**Grade:** 4      **School Year:** 2023-2024  
**Email:** dblain@disk.kh.edu.tw

### Course Description:

This course follows the *GO Math!* The curriculum uses the 5E instructional model—Engage, Explore, Explain, Elaborate, Evaluate—to provide each student with a concrete understanding of the Grade 4 Common Core State Standards (CCSS) in math. Students have the opportunity to increase their Problem Solving and Mathematical Practice Skills throughout every unit while completing math tasks independently and in small groups.

### Grade 4 Math Standards:

- ❖ **Operations and Algebraic Thinking:** Use the four operations with whole numbers to solve problems. Gain familiarity with factors and multiples. Generate and analyze problems.
- ❖ **Number and Operations in Base Ten:** Generalize place value understanding for multi-digit whole numbers. Use place value understanding and properties of operations to perform multi-digit arithmetic.
- ❖ **Number and Operations-Fractions:** Extend understanding of fraction equivalence and ordering. Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers. Understand decimal notation for fractions, and compare decimal fractions.
- ❖ **Measurement and Data:** Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit. Represent and interpret data. Geometric measurement: understand concepts of angle and measure angles.
- ❖ **Geometry:** Draw and identify lines and angles, and classify shapes by the properties of their lines and angles.

**Course Textbooks/Programs:****Primary Textbook:**

*Go Math!* (2012). Orlando, FL: Houghton Mifflin Harcourt.

**Class Materials Required:**

- *Go Math!* textbook
- One (1) 1 cm grid notebook, size A4
- \*Plus\* Items on *Grade 4 Required Classroom Materials List*

**Classroom Expectations**

In order to promote a safe and positive classroom community and an environment conducive to learning, all students will:

**Respect Self**

- Listen and follow directions the first time they are given
- Come to class prepared and on time
- Complete all assignments
- Choose to use words that are appropriate for school
- Speak only in English
- Do your best!

**Respect Others**

- Listen actively to what others have to say and take turns in conversations
- Raise your hand before speaking
- Follow all of the DISK Handbook rules and procedures

**Respect Property**

- Handle all school and classroom equipment appropriately and with care
- Ask before touching other people's belongings

**Assessment:**

Formative, summative, and pre-assessments in the form of projects, quizzes, homework assignments, quizzes, tests, and quarter exams contribute to the final quarter grade. In addition, students will be assessed for deportment following the D<sup>OP</sup> STARS Expected School-wide Learning Objectives (SLOs): Spiritual, Truthful, Active, Responsible, and Studios.

30% Class Participation & Seatwork, Homework

30% Minor Projects, Portfolio, Unit Tests & Major Projects

30% Quarter Exam/Assessment

10% Deportment

## Quarter One - Pacing Guide

Week/Dates	TOPICS/ASSESSMENTS
Week 1	Intro, beginning of the year assessments. <b>Chapter 1: Place Value, Addition, and Subtraction to One Million</b> Lesson 1,2
Week 2	<b>Chapter 1: Place Value, Addition, and Subtraction to One Million</b> Lesson 3,4,5,6,7
Week 3	<b>Chapter 1: Place Value, Addition, and Subtraction to One Million</b> Lesson 8, review, <i>Chapter 1 Test</i>
Week 4	<b>Chapter 2: Multiply by 1-Digit Numbers</b> Lesson 1,2,3,4
Week 5	<b>Chapter 2: Multiply by 1-Digit Numbers</b> Lesson 5,6,7,8
Week 6	<b>Chapter 2: Multiply by 1-Digit Numbers</b> Lesson 9,10,11,12, Review
Week 7	<i>Chapter 2 Test</i> <b>Chapter 3: Multiply 2-Digit Numbers</b> Lesson 1,2,3,4
Week 8	Revision for exams
Week 9	Q1 Exam Week

## Quarter Two - Pacing Guide

Week/Dates	TOPIC/TARGETS
Week 1	<b>Chapter 3.5: Multiply by 2-Digit Numbers</b> Lesson 5,6,7
Week 2	<b>Chapter 4: Divide by 1-Digit Numbers</b> Lesson 1,2,3
Week 3	<b>Chapter 4: Divide by 1-Digit Numbers</b> Lesson 4,5,6
Week 4	<b>Chapter 4: Divide by 1-Digit Numbers</b> Lesson 7,8,9,10,11
Week 5	<b>Chapter 4: Divide by 1-Digit Numbers</b> Lesson 12 <i>Chapter 4 Test</i> <b>Chapter 5: Factors, Multiples, and Patterns</b> Lesson 1,2
Week 6	<b>Chapter 5: Factors, Multiples, and Patterns</b> Lesson 3,4,5,6
Week 7	<i>Chapter 5 Test</i> <b>Chapter 6: Fraction Equivalence and Comparison</b> Lesson 1,2,3
Week 8	<b>Chapter 6: Fraction Equivalence and Comparison</b> Lesson 4,5,6,7,8, Review <i>Chapter 6 Test</i>
Week 9	Chapter 4,5, and 6 Review for Quarter 2 Exam <i>Quarter 2 Math Exam</i>
Week 10	Christmas Program

## Quarter Three - Pacing Guide

Week/Dates	TOPIC/TARGETS
Week 1	<b>Chapter 7: Add and Subtract Fractions</b> Lesson 1,2,3,4
Week 2	<b>Chapter 7: Add and Subtract Fractions</b> Lesson 5,6,7,8
Week 3	<b>Chapter 7: Add and Subtract Fractions</b> Lesson 9,10 Chapter 7 Review
Week 4	<i>Chapter 7 Test</i> <b>Chapter 8: Multiply Fractions by Whole Numbers</b> Lesson 1,2
Week 5	<b>Chapter 8: Multiply Fractions by Whole Numbers</b> Lesson 3,4,5,review
Week 6	<i>Chapter 8 Test</i> <b>Chapter 9: Relate Fractions and Decimals</b> Lesson 1,2,3
Week 7	<b>Chapter 9: Relate Fractions and Decimals</b> Lesson 4,5,6
Week 8	<b>Chapter 9: Relate Fractions and Decimals</b> Lesson 7, review <i>Chapter 9 Test</i>
Week 9	Quarter 3 Exam <b>Chapter 10: Two Dimensional Figures</b> Lesson 1,2,3
Week 10	<b>ITBS Testing</b>

## Quarter Four- Pacing Guide

Week/Dates	TOPIC/TARGETS
Week 1	<b>Chapter 10: Two Dimensional Figures</b> Lesson 4,5,6
Week 2	<i>Chapter 10 Test</i> <b>Chapter 11: Angles</b> Lesson 1,2,
Week 3	<b>Chapter 11: Angles</b> Lesson 3,4
Week 4	<b>Chapter 11: Angles</b> Lesson 5,review
Week 5	<i>Chapter 11 Test</i> <b>Chapter 12: Relative Size of Measurement Units</b> Lesson 6,7,8,
Week 6	<b>Chapter 12: Relative Size of Measurement Units</b> Lesson,9,10,11 <i>Chapter 12 Test</i>
Week 7	<b>Chapter 13: Algebra: Perimeter and Area</b> Lesson 1,2,3
Week 8	<i>Quarter 4 Math Exam</i>
Week 9	Review Chapters 10,11,12,13

Week 10	<ul style="list-style-type: none"><li data-bbox="456 212 753 247">● Honors Assembly</li><li data-bbox="456 258 695 294">● Closing Mass</li><li data-bbox="456 304 935 340">● Graduation/Last Day of School</li></ul>
---------	--