

## Dominican International School Kaohsiung



### Course Syllabus

**Subject:** G6 Big Ideas Math - Modeling Real Life      **Grade:** 6      **SY:** 2023-2024

**Teacher:** Mr. Bah

**Email:** mbah@disk.kh.edu.tw

### **Course Description:**

Welcome to G6 BigIdeas Math Modelling Real Life class. The primary goal of this course is for the student to actively engage themselves in a positive learning experience in which there is increased appreciation and understanding of mathematics in the world. It is my hope that students will find joy and success in solving problems and grow as learners and participants within our classroom community. To reach these goals the course curriculum is structured around the Common Core Standards through our textbook

In order for us to accomplish our mathematics and personal goals please make note of the following guidelines:

### **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.
- Assignment books are available to each student. If there is difficulty in completing the assignments, the teacher must be notified before class the next day.
- 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 to class 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.

**Textbook:**

Big Ideas Math 6 Modeling Real Life Ron Larson Laurie Boswell Common Core Students Edition 2015 1st Edition.

**Homework Policy:**

All assignments should be submitted on time through google classroom or turn in hard copy depending on teacher's discretion. Student(s) who are unable to submit their assignment due to unforeseen circumstances should communicate to the teacher a day before the due date for submission. Without a valid reason for late submission, student(s) marks are deducted. After the third day, homework will no longer be accepted, and the grade will be recorded as a zero for that individual.

**Test Policy:**

All tests must be taken home and signed by a parent or guardian the day it is graded and handed back to the student. The student has until the next morning at 8:05am to make relevant corrections and resubmit the test for make-up points. If a student identifies an error in grading, it must be presented by this time. The maximum amount of points earned back will be 50% of the points initially deducted. The amount of points earned back on each question will be at the discretion of the instructor, but will be based on *work shown*, a *correct answer*, and an *explanation of why it was wrong*.

**Attendance Policy:**

Students must be in the classroom by the time the bell rings or will be counted 'tardy.' If a student is absent, please consult the blog for missed assignments. Missed assignments can be turned in one day late for each day absent.

**Classroom Rules and Expectations:**

1. Come to class on time and be prepared.
2. Be responsible and show interest in learning the course.
3. Be a good communicator and discuss your difficult areas with the teacher. Doing this will help the teacher to devise mechanisms of helping you.
4. Use the backdoor should you come to the class late
5. No laptop or cellphone in the classroom. Math is better understood through practice.
6. Come with only your textbook, notebook, calculator, set box and work book.
7. Be prepared to learn through practice.
8. Participate in class discussions, projects, and classwork.
9. Respect yourself, your peers, and the class and school rules.
10. Be careful with school property and the property of others.
11. No food or drinks except for water bottles.
12. All students are expected to write down examples given by the teacher on the whiteboard. Note taking is important for your exam preparations.
13. All class exercises and homework are to be completed within the stipulated time. Late submission will result in marks deduction.

**Class Materials Required:**

1. Set box (Optional)
2. Scientific calculator **(No calculator during Exam)**
3. Pencil and Pen
4. Eraser
5. Notebook
6. Color Pencils
7. Scissors
8. Glue
9. Textbook

**Assessment:**

- 30% - Quarterly Exam/Assessment  
30% - Unit Tests, Minor & Major Projects, Portfolios.  
30% - Class Participation & Seatwork, Homework  
10% - Deportment and Behavior

**G6 Math 2023 - 2024 QUARTERLY PACING GUIDE**

❖ The syllabus is a live document and may change without notice

<b><i>QUARTER 1</i></b>	<b><i>Unit and Lesson Targets</i></b>
<i>W1</i>	<i>Welcome students! Review Class requirement and syllabus pacing guide</i>  <b><i>CHAPTER 1 Numerical Expression and Factors</i></b> <i>1.1 - Powers and Exponents</i> <i>1.2 - Order of operations</i>
<i>W2</i>	<i>1.3 - Prime Factorization</i> <i>1.4 - Greatest Common Factor</i> <i>1.5 -Least Common Multiple</i>  <i>End of Chapter 1 Quiz Week</i>
<i>W3</i>	<b><i>CHAPTER 2 Fractions and Decimals</i></b> <i>2.1 - Multiplying Fractions</i> <i>2.2 - Dividing Fractions</i> <i>2.3 -Dividing Mix Numbers</i>
<i>W4</i>	<i>2.4 - Adding and Subtracting Decimals</i> <i>2.5 - Multiplying Decimals</i> <i>2.6 - Dividing Whole Numbers</i> <i>2.6 - Dividing Decimals</i>  <i>End of Chapter 2 Quiz Week</i>
<i>W5</i>	<b><i>CHAPTER 3 Ratios and Rates</i></b>

	3.1 - Ratios 3.2 - Using Tape Diagram 3.3 - Using Ratio Tables
W6	3.4 - Graphing Ratio Relationships 3.5 - Rates and Unit Rates 3.6 - Converting Measurement <p style="text-align: right;"><i>End of Chapter 3 Quiz Week</i></p>
W7	<i>Quarter 1 Review and Exam Prep. (Exam will cover Chapter 1 - 3)</i>
W8	<i>Quarter 1 Exam Week</i>
W9	<i>Exam corrections / End Semester Activities</i>

<b>QUARTER 2</b>		<b>Unit and Lesson Targets</b>
W1	Week 10	Welcome students! <b>CHAPTER 4 - Percent (%)</b> 4.1 - Percent and Fractions 4.2 - Percent and Decimals
W2	Week 11	4.3 - Comparing and Ordering Fractions, Decimals and Percent 4.4 - Solving Percent Problem <p style="text-align: right;"><i>End of Chapter 4 Quiz Week</i></p>
W3	Week 12	<b>CHAPTER 5 - Algebraic Expressions and Properties</b> 5.1 - Algebraic Expression 5.2 - Writing Expressions
W4	Week 13	5.3 - Properties of addition and Multiplication 5.4 - The Distributive Property 5.5 - Factoring Expressions <p style="text-align: right;"><i>End of Chapter 5 Quiz Week</i></p>
W5	Week 14	<b>CHAPTER 6 - Equations</b> 6.1 - Writing Equations in One Variable 6.2 - Solving Equations Using Addition and Subtraction
W6	Week 15	6.3 - Solving Equations Using Multiplication and Division 6.4 - Writing Equations in two variable <p style="text-align: right;"><i>End of Chapter 6 Quiz Week</i></p>
W7	Week 16	<b>CHAPTER 7 - Area, Surface Area and Volume</b> 7.1 - Area of Parallelogram

		7.2 - Solving Equations Using Addition and Subtraction
W8	Week 17	7.3 - Area of Trapezoid and Kites 7.4 - Three Dimensional Figures
W9	Week 18	Quarter 2 Review and Exam Prep. (Exam will cover Chapter 3 - 6 )
W10	Week 19	Exam corrections / End Semester Activities

<b>QUARTER 3</b>		<b>Unit and Lesson Targets</b>
W1	Week 20	<b>CHAPTER 7 - Area, Surface Area and Volume</b> 7.5 - Surface Areas of Pyramids 7.6 - Volumes and rectangular Prisms
W2	Week 21	Connecting Concepts Chapter Review Practice Test Cumulative Practice  <i>End of Chapter 7 Quiz Week</i>
W3	Week 22	<b>CHAPTER 8 - Integers, Number Lines, and the Coordinate Plane</b> 8.1 - Integers 8.2 - Comparing and ordering integers 8.3 - Rational Numbers
W4	Week 23	8.4 - Absolute Value 8.5 - The Coordinate Plane 8.6 - Polygons in the Coordinate Plane
W5	Week 24	8.6 - Writing and Graphing Inequalities 8.7 - Solving Inequalities
W6	Week 25	Connecting Concepts Chapter Review Practice Test Cumulative Practice  <i>End of Chapter 7 Quiz Week</i>
W7	Week 26	Q3 Review

W8	Week 27	<i>Q3 Review and Exam Prep.</i>
W9	Week 28	<i>Quarter 3 Exam</i>
W10	Week 29	<i>Exam corrections / ITBS Practice</i>

<b>QUARTER 4</b>		<b>Unit and Lesson Targets</b>
W1	Week 30	<i>ITBS Testing</i>
W2	Week 31	<b>CHAPTER 9 - Statistical Measures</b> <i>9.1 - Introduction to Statistics</i> <i>9.2 - Mean</i>
W3	Week 32	<i>9.3 - Measure of Center</i> <i>9.4 - Measure of variance</i>
W4	Week 33	<i>9.5 - Mean Absolute Deviation</i>  <i>Connecting Concepts</i> <i>Chapter Review</i> <i>Practice Test</i> <i>Cumulative Practice</i>  <i>End of Chapter 9 Quiz Week</i>
W5	Week 34	<b>CHAPTER 10 - Data Analysis</b> <i>10.1 - Stem - and - Leaf Plots</i> <i>10.2 - Histograms</i> <i>10.3 - Shapes of distribution</i>
W6	Week 35	<i>10.4 - Choosing Appropriate Measures</i> <i>10.5 - Box and Whisker Plots</i>  <i>Connecting Concepts</i> <i>Chapter Review</i> <i>Practice Test</i> <i>Cumulative Practice</i>  <i>End of Chapter 10 Quiz Week</i>
W7	Week 36	<i>Quarter 4 Review</i>

W8	Week 37	<i>Quarter 4 Exam</i>
W9	Week 38	<i>End School Year Activities / Graduation</i>

*Syllabus Developed by: Mr. Bah  
Last Updated: August 3, 2023*