Dominican International School Kaohsiung

Course Syllabus

Subject: G7 Big Ideas Math - **Modeling Real Life**   **Grade:**   7   **SY:** 2023-2024

Teacher: Mr. Bah   **Email:** mbah@disk.kh.edu.tw

Course Description:

Welcome to our G7 BigIdeas Math Modeling Real Life. 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 Algebra 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 7 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, 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 (0ptional)
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

G7 Math 2023 - 2024 QUARTERLY PACING GUIDE

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

QUARTER 1	Unit and Lesson Targets
W1	*Welcome students! Review Class requirement and syllabus pacing guide* ***CHAPTER 1 - ADDING AND SUBTRACTING RATIONAL NUMBERS*** *1.1 - Rational numbers* *1.2 - Adding Integers* *1.3 - Adding Rational Numbers*
W2	*1.3 - Adding Rational Numbers* *1.4 - Subtracting Integers* *1.5 - Subtracting Rational Numbers* *End of **Chapter 1** Quiz Week*
W3	***CHAPTER 2 - MULTIPLYING AND DIVIDING RATIONAL NUMBERS*** *2.1 - Multiplying Integers* *2.2 -Dividing Integers* *2.3 - Converting Between Fractions and Decimals*
W4	*2.4 - Multiplying Rational Numbers* *2.5 - Dividing Rational Numbers*

		*End of **Chapter 2** Quiz Week*
W5	**CHAPTER 3 - EXPRESSIONS** *3.1 - Algebraic Expressions* *3.2 - Adding and Subtracting Linear Expressions*	
W6	*3.3 - The Distributive Property* *3.4 - Factoring Expressions* *End of **Chapter 3** Quiz Week*	
W7	*Quarter 1 Review and Exam Prep.*	
W8	*Quarter 1 Exam Week*	
W9	*Exam corrections / End Semester Activities*	

QUARTER 2		**Unit and Lesson Targets**
W1	*Week 10*	*Welcome students!* **CHAPTER 4 - EQUATIONS AND INEQUALITIES** *4.1 - Solving Equations Using Addition and Subtraction* *4.2 - Solving Equations Using Multiplication and Division*
W2	*Week 11*	*4.3 - Solving Two Steps Equations* *4.4 - Writing and Graphing Inequalities* *4.5 - Solving Inequalities Using Addition and Subtraction*
W3	*Week 12*	*4.5 - Solving Inequalities Using Addition and Subtraction* *4.6 - Solving Inequalities Using Multiplication and Division* *4.7 - Solving Two Steps Inequalities* *End of **Chapter 4** Quiz Week*
W4	*Week 13*	**CHAPTER 5 - RATIOS AND PROPORTIONS** *5.1 - Ratios and Ratio Table* *5.2 - Rates and Unit Rates* *5.3 - Identifying Proportional Relationships*
W5	*Week 14*	*5.4 - Writing and Solving Proportions* *5.5 - Graph of Proportional Relationships* *5.6 - Scale Drawing*
W6	*Week 15*	*5.6 - Scale Drawing* **Chapter 5 Review** *End of **Chapter 5** Quiz Week*

W7	Week 16	**CHAPTER 6 - PERCENT (%)** *6.1 - Fractions, Decimals, and Percent* *6.2 - The Percent Proportion* *6.3 - The Percent Equation*
W8	Week 17	*6.4 - Percent of Increase and Decrease* *6.5 - Discounts and Markups* *6.6 - Simple Interest* End of **Chapter 6** Quiz Week
W9	Week 18	*Quarter 1 Review and Exam Prep.*
W10	Week 19	*Exam corrections / End Semester Activities*

QUARTER 3		*Unit and Lesson Targets*
W1	Week 20	**CHAPTER 7 - PROBABILITY** *7.1 - Probability* *7.2 - Experimental and Theoretical Probability*
W2	Week 21	*7.3 - Compound Events* *7.4 - Simulations* End of **Chapter 7** Quiz Week
W3	Week 22	**CHAPTER 8 - STATISTICS** *8.1 - Sample and Populations* *8.2 - Using Random samples to Describe Populations*
W4	Week 23	*8.3 - Comparing Populations* *8.4 - Using Random Samples to Compare Populations* End of **Chapter 8** Quiz Week
W5	Week 24	**CHAPTER 9 - GEOMETRIC SHAPES AND ANGLES** *9.1 - Circle and Circumference* *9.2 - Areas of Circles* *9.3 - Perimeters and Areas of Composite Figures*
W6	Week 25	*9.3 - Perimeters and Areas of Composite Figures* *9.4 - Constructing Polygons* *9.5 - Finding Unknown Angle Measures*
W7	Week 26	*9.5 - Finding Unknown Angle Measures* *Connecting Concepts* *Chapter Review* *Practice Test* *Cumulative Practice*

		*End of **Chapter 9** Quiz Week*
W8	*Week 27*	*Q3 Review and Exam Prep.*
W9	*Week 28*	*Quarter 3 Exam*
W10	*Week 29*	*Exam corrections / ITBS Practice*

QUARTER 4		**Unit and Lesson Targets**
W1	*Week 30*	*ITBS Testing*
W2	*Week 31*	***CHAPTER 10 - SURFACE AREA AND VOLUME*** *10.1 - Surface Areas of Prisms* *10.2 - Surface Areas of Cylinder*
W3	*Week 32*	*10.3 - Surface Areas of Pyramids* *10.4 - Volumes of Prims*
W4	*Week 33*	*10.5 - Volumes of Pyramids* *10.6 - Cross Sections of Three Dimensional Figures*
W5	*Week 34*	*Connecting Concepts* *Chapter 10 Review* *Practice Test* *Cumulative Practice* *End of **Chapter 10** Quiz Week*
W6	*Week 35*	*Special Topics in Algebra 1*
W7	*Week 36*	*Quarter 4 Review and Exam Prep.*
W8	*Week 37*	*Quarter 4 Exam*
W9	*Week 38*	*End School Year Activities / Graduation*