



Subject: Mathematics

Grade Level: G-6

Teacher: Simon Jatta

School Year: 2022-2023

Email: sjatta@dishs.tp.edu.tw

COURSE DESCRIPTION:

Grade-6 Mathematics is required to prepare the students for the future middle and high school math courses. The US Common Core State Standards (CCSS) defines the curriculum framework of the G6 math using the following link as reference:

<http://www.corestandards.org/Math/Content/6/introduction/>

COURSE OBJECTIVES:

The course objectives are defined into the following Common Core State Standard domains:

- The Number System,
- Numeric and Algebraic Expression
- Solving Equations and Inequalities
- Ratios and Rate Relationships,
- Understand and use percent
- Geometry (area, surface area and volume)
- Statistics & Probability.

PRIMARY TEXTBOOK & OTHER RESOURCES:

- The students are required to bring the **primary textbook** to every class:

Berry, Champagne, Milou, Schielack, Wray, Charles, and Fennell, enVisionmath2.0, **Volume I & II**, Pearson Scott Foreman. Addison Wesley, 2017. (Also **Additional Practice Workbook** and **Common Core Standards Practice Workbook**).

The required online textbook companion is the Pearson Realize site:

<https://www.pearsonrealize.com>

Students are required to check the school's Google Classroom site regularly for assignments and announcements. Regular correspondences will be conducted using the school's Gmail.

ASSESSMENT:

Pop Quizzes will be conducted unannounced.

Quizzes/tests will be administered after the completion of every chapter.

Quarter exam will be conducted at the end of each quarter.

Homework, Seatwork, and Group work, will also be assessed.

This course will be assessed on the following categories:

- **Tests and/or Quizzes (30%)**
- **Seatwork and/or Homework (30%)**
- **Quarter Examination (30%)**
- **Department (10%)**

ADDITIONAL INFORMATION:

Please see **Google Classroom** for more information. A Class code/link will be given out for students to join in.

<i>(NB: Depending on time and interest, the teacher may delete and/or add other selections.)</i>	
Week / Date	Topic / Projects / Assessments
Week 1 Aug 10 th to 12 th 3 Days of Class <i>10~ First Day / Orientation Day</i>	1-1. Fluently Add, Subtract and Multiply Decimals, (Classwork/Homework).
Week 2 Aug 15 th to 19 th <i>Opening Mass</i>	1-2. Fluently Divide Whole Numbers & Decimals. 1-3. Multiply Fractions (Classwork and Homework).
Week 3 Aug 22 nd to 26 th	1-4. Division with Fractions, (Classwork/Homework) 1-5. Divide Fractions by Fractions, (Classwork/Homework).
Week 4 Aug 29 th to Sep 2 nd	1-6. Divide Mixed Numbers, (Classwork/Homework). 1-7. Solve Problems with Rational Numbers (Classwork/Homework).
Week 5 Sep 5 th to 9 th 4 Days of Class <i>8~ Mass & Birthday Mother Mary 9th – Moon Festival</i>	2-1. Understand Integers (Classwork and Homework). 2-2. Represent Rational Numbers on the Number Line (Classwork/Homework)

Week 6 Sep 12th to 16th FYI – Pre-Exam Days	2-3. Absolute Value of Rational Numbers (Classwork and Homework). 2-4. Rational Numbers on the Coordinate Plane
Week 7 Sep 19th to 23rd	2-5. Distance on the Coordinate Plane (Classwork/Homework).
Week 8 Sep 26th to 30th 2 Days of Class <i>28-30 ~Teacher's Conference</i>	2-6. Polygons on the Coordinate Plane (Classwork/Homework). Revision for the Q1 Exams.
Week 9 Oct 3rd to 7th 3 Days of Class <i>6-7 ~Q1 Exams</i>	Quarterly Exam.

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
Week 1 (10) Oct 10th to 14th 4 Days of Class <i>10 – Double 10 Holiday</i>	3-1. Understand and Represent Exponents (Classwork/Homework). 3-2. Greatest Common Factor and Least Common Multiple.
Week 2 (11) Oct 17th to 21st	3-3. Write and Evaluate Numerical Expressions (Classwork/Homework). 3-4. Write Algebraic Expressions (Classwork/Homework).
Week 3 (12) Oct 24th to 28th <i>25-27 – Book Fair</i> <i>28- Masquerade Night</i> <i>TBA-Holy Rosary Mass</i>	3-5. Evaluate Algebraic Expressions (Classwork/Homework). 3-6. Generate Equivalent Expressions (Classwork/Homework).
Week 4 (13) Oct 31st to Nov 4th <i>1-All Saint's Day Mass</i>	3-7. Simplify Algebraic Expressions (Classwork/Homework). 4-1. Understand Equations and Solutions (Classwork/Homework).
Week 5 (14) Nov 7th to 11th	4-2. Properties of Equality (Classwork/Homework). 4-3. Write & Solve Addition & Subtraction Equations (Classwork/Homework).
Week 6 (15) Nov 14th to 18th	4-4. Write & Solve Multiplication & Division Equations Classwork/Homework 4-5. Write & Solve Equations with Rational Numbers (Classwork/Homework).
Week 7 (16) Nov 21st to 25th <i>25 - YSC Contest</i>	4-6. Understand and Write Inequalities (Classwork/Homework). 4-7. Solve Inequalities (Classwork/Homework).

<i>25-Gr.12 Q2 Exam</i>	
Week 8 (17) Nov 28 th to Dec 2 nd FYI – Pre-Exam Days <i>28-Gr.12 Q2 Exam</i>	4-8. Understand Dependent & Independent Variables (Classwork/Homework). 4-9. Use Patterns to Write and Solve Equations (Classwork/Homework).
Week 9 (18) Dec 5 th to 9 th 8 - Foundation Day Celebrations	4-10. Relate Tables, Graphs and Equations (Classwork/Homework). Revision for Q2 Exams.
Week 10 (19) Dec 12 th to 16 th 3 Days of Class <i>15-16 ~Q2 Exams</i>	Revision and Quarter two Exam.
Dec 19th to Jan 2nd	Christmas Break

3rd 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
Week 1 (20) Jan 5 to 6 th 2 Days of Class	5-1. Understand Ratios (Classwork/Homework). 5-2. Generate Equivalent Ratios (Classwork/Homework).
Week 2 (21) Jan 9 th to 13 th	5-3. Compare Ratios (Classwork/Homework). 5-4. Represent Graphs and Ratios (Classwork/Homework).
Week 3 (22) Jan 16 th to 20 th	5-5. Understand Rates and Unit Rates (Classwork/Homework).
Jan 23rd to 27th	Chinese New Year
Week 4 (23) Jan 30 th to Feb 3 rd	5-6. Compare Unit Rates (Classwork/Homework). 5-7. Solve Unit Rate Problems (Classwork/Homework).
Week 5 (24) Feb 6 th to 10 th	5-8. Convert Customary Units (Classwork/Homework). 5-9. Convert Metric Units (Classwork/Homework).
Week 6 (25) Feb 13 th to 17 th	5-10. Relate Customary and Metric Units (Classwork/Homework). 6-1. Understand Percent (Classwork/Homework).
Week 7 (26) Feb 20 th to 24 th <i>20-24 ~IOWA</i> <i>22 ~ Ash Wednesday</i> <i>Mass</i> <i>21-23 ~ Pre-Exam</i> <i>Days</i>	6-2. Relate Fractions, Decimals, and Percent (Classwork/Homework). 6-3. Represent Percent Greater Than 100 or Less Than 1 (Homework).

Week 8 (27) Feb 27th to March 3rd <u>3 Days of Class</u> <i>27-28 ~ 228 Memorial Day Holiday</i>	6-4. Estimate to Find Percent (Classwork/Homework). 6-5. Find Percent of a Number (Classwork/Homework).
Week 9 (28) March 6th to 10th <u>4 Days of Class</u> <i>11 – Q3 Exams</i>	Revision and Quarter three Exam.

4th 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
Week 1 (29) March 13th to 17th <u>4 Days of Class</u> <i>13 – Q3 Exams</i> <i>14~ Q4 Begins</i>	6-6. Find the whole given a percent (Classwork/Homework). 7-1. Areas of Parallelograms and Rhombuses (Classwork and Homework).
Week 2 (30) March 20th to 24th <i>20 ~ Fire Drill</i>	7-2. Solve Triangle Area Problems (Classwork/Homework). 7-3. Areas of Trapezoids and Kites (Classwork/Homework).
Week 3 (31) March 27th to 31st	
Apr 3rd to 14th	Easter Break
Week 4 (33) Apr 17th to 21st	7-4. Areas of Polygons (Classwork/Homework). 7-5. Solid Figures using Nets (Classwork/Homework).
Week 5 (34) Apr 24th to 28th <i>24-28 ~ AP Mock Exams</i>	7-6. Surface Areas of Prisms (Classwork/Homework). 7-7. Surface Areas of Pyramids (Classwork/Homework).
Week 6 (35) May 1st to 5th <i>2-4~ Pre-Exam</i> <i>1-5~ Final Exams (K, 5, 8, 12 only)</i> <i>1-5 ~ AP Exams</i>	7-8. Volume with fractional length (Classwork/Homework).
Week 7 (36) May 8th to 12th <i>8-12~ Final Exams (K, 5, 8, 12 only)</i>	8-1 & 8-2. Statistical Questions Mean, Median, Mode, Range (Classwork/Homework).

<i>1-5 ~ AP Exams</i>	
Week 8 (37) May 15th to 19th <u>3 Days of Class</u> <i>18-19~ Q4 Exams</i>	8-3. Box Plots (Classwork/Homework). 8-4. Frequency Tables and Histograms
Week 9 (38) May 22nd to 26th <u>4 Days of Class</u> <i>22~ Record Day</i> <i>23-26 ~ Student Clearance</i>	8-5. Measures of Variability (Classwork/Homework). 8-6. Statistical Measures (Classwork/Homework). 8-7. Data Distribution (Classwork/Homework).
Week 10 (39) May 29th to June 2nd <u>4 Days of Class</u> <i>1 ~ Students Last Day</i> <i>2~ Teachers/Staff Meeting</i>	Revision and Quarter four Exam.