

St. Paul's Preparatory Academy

7th Grade Mathematics

Mrs. Rockwell

Contact Information: grockwell@stpaulsprep.com

Course Overview

This course is a comprehensive, well-balanced three-course program that prepares middle school students for success in algebra and geometry. The course takes the students through mathematical topics, practice and extension of knowledge that will promote confidence and mastery.

Course Responsibilities

Students will be expected to participate in class and complete all assignments with an attitude of excellence.

Course Textbooks

Mathematics, Applications and Connections, Glencoe

Course Requirements and Grading

- 15% - Prompt and Prepared
- 25% - Homework
- 20% - Quizzes/Class Writing
- 40% - Test

Grading Scale

- A-/A/A+ - 93/96/99
- B-/B/B+ - 83/86/89
- C-/C-C+ - 75/78/81
- D - 70
- F - 0

Homework Policy

Homework assignments will receive a grade of 100% if turned in on time. If an assignment is incomplete or not turned in, it will receive a grade of 0%. If the assignment is turned in completed when the class meets again, the grade will be changed to a 50%.

Extra Credit Work

The instructor will not offer the opportunity for extra credit work to individual students who have chosen not to attend class, not to participate in class, not to study or do homework, and not to perform well on tests.

If the instructor does choose to offer an extra credit assignment it will be offered to the entire class. Extra credit assignments will be given at the sole discretion of the instructor.

Prompt and Prepared

This grade is determined by students being on time, having all needed supplies and contributing to class discussion.

The final exam will be comprehensive and will count for 20% of the final grade.

Follow-up projects will be assigned after each field trip.

Mathematics 7
Syllabus 2011-2012

- 8-29 Intro to Chapter 1 Problem Solving
pp. 2-3, Section 1-1
- 8-30 Section 1-2 Orders of Operations
HW: Practice 1-2
- 8-31 Section 1-3 Variables and Expressions
HW: Practice 1-3
- 9-1 Enrichments 1-1, 1-2, 1-3,
Self-test p. 15
- 9-5 Labor Day
- 9-6 Section 1-4 Powers and Exponents
HW: Practice 1-4
- 9-7 Section 1-5 Solving Equations
HW: Practice 1-5
- 9-8 Sections 1-6 Patterns
HW: Practice 1-6, Test next Tuesday, 1-13
- 9-12 Section 1-7 Area
HW: Practice 1-7, Review for Test 1
- 9-13 Test 1
HW: p. 607
- 9-14 Section 2-1 Comparing and Ordering Decimals
Practice 2-1
- 9-15 Section 2-2 Rounding Decimals
HW: Practice 2-2,

- 9-19 Section 2-3 Estimating with Decimals
HW: Practice 2-3
- 9-20 Section 2-4 Multiplying Decimals
HW: Practice 2-4
- 9-21 Review of 2-1, 2-2, 2-3, 2-4
- 9-22 Section 2-5 Powers of 10
HW: Practice 2-5, Mid- chapter Test Tuesday, 9-27
- 9-26 Quiz 2B, Section 2.6 Dividing Decimals,
Review for Test
HW: Study Practice Sheets and Study Guides
- 9-27 Mid-chapter Test
HW: Practice 2-6
- 9-28 Section 2.7 Decimals and Fractions
HW: Practice 2-7
- 9-29 Section 2-7 Review, pp.72-73
HW: Redo 2-7
- 10-3 Section 2-8 Metric System
HW: Practice 2-8
- 10-4 Section 2-9 Scientific Notation
HW: Practice2-9
- 10-5 Study Guide and Assessment, pp. 80-81
HW: Complete assigned problems
- 10-6 Review Chapter 2, Practice Test
HW: Study for Test 2, Tuesday, 10-11
- 10-10 Test Review
HW: Study Guides and Practice Chapter 2
- 10-11 Test 2
- 10-12 Section 3-1 Frequency Tables
HW: Practice 3-1
- 10-13 Section 3-2 Making Predictions
HW: Practice 3-2

- 10-17 Quiz 3A over 3-1,3-2, section 3-3 Line Plots
HW: Practice 3-3
- 10-18 Section 3-4 Mean, Median, Mode
HW: Practice 3-4
- 10-19 Quiz 3B over 3-3, 3-4,
Section 3-5 Stem and Leaf Plots
HW: Practice 3-5
- 10-20 Section 3-6, Box and Whisker Plots
Review For Mid-chapter Test, Tuesday, 10-25
HW: Review Sections 3-1 - 3-4 for Test on Tuesday
- 10-24 Review for Test
HW: Study for Test
- 10-25 Mid-chapter Test
HW: Practice 3-6
- 10-26 Section 3-7 Misleading Statistics
HW: Practice 3-7
- 10-27 Study Guide and Assessment pp. 122-125
HW: Complete assigned problems, begin to study for
Test over chapter 3, Tuesday, 11-1
- 10-31 Review for Test Chapter 3
HW: Study for Test Chapter 3
- 11-1 Test Chapter 3
- 11-2 Section 4-1 Divisibility Patterns
HW: Practice 4-1
- 11-3 Section 4-2 Prime Factorization
HW: Practice 4-2

- 11-7 Section 4-3 Sequences
HW: Practice 4-3
- 11-8 Quiz 4A over 4-1, 4-2, 4-3, Section 4-4
Greatest Common Factor
HW: Practice 4-4
- 11-9 Section 4-5 Simplifying Fractions and Ratios
HW: Practice 4-5
- 11-10 Section 4-6 Ratios and Percents
HW: Practice 4-6 Review for Mid Chapter Test
- 11-14 Quiz 4B over 4-4, 4-5; Section 4-7 Fractions,
Decimals, and Percents
HW: Practice 4-7, Study for Test
- 11-15 Mid Chapter Test; Section 4-8 Simple Events
HW: Practice 4-8
- 11-16 Section 4-9 Least Common Multiple
HW: Practice 4-9
- 11-17 Section 4-10 Comparing and Ordering Fractions
HW: Practice 4-10; Review For Test 4, Tuesday, 11-22
- 11-21 Review Chapter 4 for Test Tuesday, 11-22
HW: Study for Test 4
- 11-22 Test 4
- 11-23 No class
- 11-24-11-27 Happy Thanksgiving

- 11-28 Section 5-1 Integers
HW: Practice 5-1
- 11-29 Section 5-2 Comparing and Ordering Integers
HW: Practice 5-2
- 11-30 Section 5-3 the Coordinate System
HW: Practice 5-3
- 12-1 Quiz 5A over 5-1 and 5-2, Section 5-4
Adding Integers
HW: Practice 5-4; Review for Mid Chapter Test,
Tuesday, 12-6
- 12-5 Section 5-5 Subtracting Integers; Review for Mid
Chapter Test, Tuesday
- 12-6 Mid Chapter Test
HW: Practice 5-5
- 12-7 Section 5-6 Multiplying Integers
HW: Practice 5-6
- 12-8 Section 5-7 Dividing Integers
HW: Practice 5-7; Review for Test 5, Tuesday, 12-13
- 12-12 Review for Test 5; Section 5-8
HW: Study for Test 5
- 12-13 Test 5
Practice 5-8
- 12-14 Review Chapters 1-5
- 12-15 No Class

Merry Christmas

- 1-2 Section 6-1 Solving Addition and Subtraction Equations; Review Chapter 1
HW: Practice 6-1, Review Chapter 1
- 1-3 Section 6-2 Solving Multiplication Equations, Review Chapter 2
HW: Practice 6-2, Review Chapter 2
- 1-4 Quiz 6A over 6-1 and 6-2, Review Chapter 3
HW: Review Chapter 3
- 1-5 Review Chapters 4 and 5

Week of January 9 - Semester Exams