

St. Paul's Preparatory Academy
Mrs. Miles lmiles@stpaulsprep.com
2011-2012 School Year

6th Grade Mathematics Syllabus

Course Overview

Mathematics: Applications and Connections meets or exceeds international standards in grades 6-8. It emphasizes geometry, measurement, and proportionality, as well as algebra, fractions, and statistics. The curriculum follows a sequence that introduces, reinforces, and extends topics needed for success in algebra I and geometry.

Course Objectives

1. Prepare students for success in algebra I and geometry.
2. Motivate students to realize that mathematics is related to and relevant to everyday lives.
3. Increase test scores for national and international standardized tests.

Course Curriculum

Glencoe *Mathematics: Applications and Connections* Course 1

Course Requirements

Students are expected to be on time to class everyday with the appropriate needed materials (book, paper, graphing paper, pencil, ruler, eraser). Homework is to be turned in on a daily basis during the scheduled math class (not in the hallway during passing periods).

Class Rules

1. No talking without permission.
2. Hands and feet to yourself.
3. No sleeping in class.
4. Use math class for math.

Grading Scale

“A”	93-100
“B”	83-92
“C”	75-82
“D”	70-74
“F”	0-69

Weights

Homework	25%
Quizzes	20%
Tests	40%
Prompt & Preparedness	15%

Homework Policy

All homework received on time & complete will receive a “100”. All incomplete or late homework will receive a “0”. On time means at the beginning of each class period (not at the end).

Teacher Contact Information

lmiles@stpaulsprep.com or 817-561-3500 (school office)
I check my e-mail around 3 p.m. daily.

Class Itinerary

- 08/29 Mon.** Lesson 1-1 “A Plan for Problem Solving” pg. 4-7
Homework: Practice Wkst. 1-1
- 08/30 Tues.** Lesson 1-2 “Using Patterns” pg. 8-11
Homework: Practice Wkst. 1-2
- 08/31 Wed.** Lesson 1-3 “Estimation by Rounding” pg. 12-15
- 09/01 Thurs.** Lesson 1-4 “Order of Operations” pg. 16-19
Homework: Practice Wkst. 1-4 (due Mon.)
- 09/05 Mon.** **Labor Day Holiday**
- 09/06 Tues.** **Mid-Chapter Self Test** pg. 19 (counted as **Quiz 1**)
Lesson 1-5 “Variables and Expressions” pg. 22-25
Homework: Practice Wkst. 1-5
- 09/07 Wed.** Lesson 1-6 “Powers and Exponents” pg. 28-31
- 09/08 Thurs.** Lesson 1-7 “Solving Equations” pg. 34-37
Homework: Practice Wkst. 1-7 (due Mon.)
- 09/12 Mon.** In-class review lessons 1-1 thru 1-7
Study pg. 38-41 for Test Review
(turn in for Bonus points on Test)
- 09/13 Tues.** **Chapter 1 Test**
Lesson 2-1 “Frequency Tables” pg. 46-49
Homework: Practice Wkst. 2-1
- 09/14 Wed.** Lesson 2-2 “Scales and Intervals” pg. 50-53
- 09/15 Thurs.** Lesson 2-3 “Bar Graphs & Line Graphs” pg. 54-57
Homework: Practice Wkst. 2-3 (due Mon.)

- 09/19 Mon.** Lesson 2-4 “Reading Circle Graphs” pg. 60-63
Homework: Practice Wkst. 2-4
- 09/20 Tues.** Lesson 2-5 “Making Predictions” pg. 64-67
Homework: Practice Wkst. 2-5
Review lessons 2-1 thru 2-5 for Quiz 2
- 09/21 Wed.** **Mid-Chapter Self Test** pg. 67 (counted as **Quiz 2**)
Lesson 2-6 “Stem and Leaf Plots” pg. 68-70
- 09/22 Thurs.** Lesson 2-7 “Mean, Median & Mode” pg. 71-74
Homework: Practice Wkst. 2-7 (due Mon.)
- 09/26 Mon.** Lesson 2-9 “Graphing Ordered Pairs” pg. 82-85
Homework: Practice Wkst. 2-9
In-class review lessons 2-1 thru 2-9
Study pg. 86-89 for Test Review
(turn in above pages for bonus points on Test)
- 09/27 Tues.** **Chapter 2 Test**
- 09/28 Wed.** Lesson 3-1 “Decimals Through Ten-Thousandths” pg. 95-98
- 09/29 Thurs.** Lesson 3-2 “Length in the Metric System” pg. 102-104
Homework: Practice Wkst. 3-2 (due Mon.)
- 10/03 Mon.** Lesson 3-3 “Comparing & Ordering Decimals” pg. 105-108
Homework: Practice Wkst. 3-3
- 10/04 Tues.** Lesson 3-4 “Rounding Decimals” pg. 109-111
Homework: Practice Wkst. 3-4

- 10/05 Wed.** **Mid-Chapter Self Test** pg. 111 (counted as **Quiz 3**)
Lesson 3-5 “Estimating Sums & Differences” pg. 112-115
- 10/06 Thurs.** Lesson 3-6 “Adding & Subtracting Decimals” pg. 118-121
Homework: Practice Wkst. 3-6 (due Mon.)
- 10/10 Mon.** In-Class review lessons 3-1 thru 3-6
Study pg. 122-125 for Test Review
(turn in above pages for bonus points on Test)
- 10/11 Tues.** **Chapter 3 Test**
Lesson 4-1 “Multiplying Decimals by Whole Numbers”
Pg. 133-136
- 10/12 Wed.** Page 565 #1-19
- 10/13 Thurs.** Lesson 4-2 “Using the Distributive Property” pg. 137-139
Homework: Practice Wkst. 4-2 (due Mon.)
- 10/17 Mon.** Lesson 4-3 “Multiplying Decimals” pg. 141-143
Homework: Practice Wkst. 4-3
- 10/18 Tues.** Lesson 4-4 “Perimeter and Area” pg. 145-148
Homework: Practice Wkst. 4-4
- 10/19 Wed.** Lesson 4-5 “Dividing Decimals by Whole Numbers”
pg. 152-155
- 10/20 Thurs.** **Mid-Chapter Self Test** pg. 155 (counted as **Quiz 4**)
Lesson 4-6 “Dividing by Decimals” pg. 157-159
Homework: Practice Wkst. 4-6 (due Mon.)
- 10/24 Mon.** Lesson 4-7 “Zeros in the Quotient” pg. 161-163
Homework: Practice Wkst. 4-7

- 11/14 Mon.** Lesson 5-7 “Least Common Multiple” pg. 206-209
Homework: Practice Wkst. 5-7
- 11/15 Tues.** Lesson 5-8 “Comparing & Ordering Fractions” pg. 210-213
Homework: Practice Wkst. 5-8
- 11/16 Wed.** Lesson 5-9 “Writing Decimals as Fractions” pg. 214-216
Lesson 5-10 “Writing Fractions as Decimals” pg. 217-219
- 11/21 Mon.** In-class review for Test 5
Homework:
Study pg. 220-223 (turn in for bonus points on Test)
- 11/22 Tues.** **Chapter 5 Test**
- 11/23 Wed.** **Noon Dismissal (No Math Class)**
- 11/24-27** **Thanksgiving Holiday**
- 11/28 Mon.** Lesson 6-1 “Rounding Fractions & Mixed Numbers”
pg. 228-231
Homework: Practice Wkst. 6-1
- 11/29 Tues.** Lesson 6-2 “Estimating Sums & Differences” pg. 232-234
Homework: Practice Wkst. 6-2
- 11/30 Wed.** Lesson 6-3 “Adding & Subtracting Fractions with Like
Denominators” pg. 238-241
- 12/1 Thurs.** Lesson 6-4 “Adding & Subtracting Fractions with Unlike
Denominators” pg. 243-245
Homework: Practice Wkst. 6-4 (due Mon.)
- 12/5 Mon.** Lesson 6-5 “Adding & Subtracting Mixed Numbers”
Homework: Practice Wkst. 6-5

- 12/6 Tues.** **Mid-Chapter Self Test** pg. 249 (**counted as Quiz 6**)
Begin Lesson 6-6 “Subtracting Mixed Numbers with
Renaming” pg. 250-253
Homework: Study Guide Wkst. 6-6
- 12/7 Wed.** Continue Lesson 6-6
- 12/8 Thurs.** Lesson 6-7 “Adding & Subtracting Measures of Time”
pg. 254-257
Homework: Practice Wkst. 6-7 (due Mon.)
- 12/12 Mon.** In-class review of lessons 6-1 thru 6-7
Homework: Study pg. 258-261 for Test 6
(turn in for bonus points on Test)
- 12/13 Tues.** **Chapter 6 Test**
- 12/14 Wed.** Lesson 7-1 “Estimating Products” pg. 268-270
- 12/15 Thurs.** Lesson 7-2 “Multiplying Fractions” pg. 273-276
- 12/17-1/1** **Christmas Holiday**
- 1/2 Mon.** Lesson 7-3 “Multiplying Mixed Numbers” pg. 277-279
Homework: Practice Wkst. 7-3
- 1/3 Tues.** Lesson 7-4 “Circles & Circumference” pg. 280-283
Homework: Practice Wkst. 7-4
- 1/4 Wed.** **Mid-Chapter Self Test** pg. 283 (**counted as Quiz 7**)
Lesson 7-5 “Dividing Fractions” pg. 285-288
- 1/5 Thurs.** Lesson 7-6 “Dividing Mixed Numbers” pg. 289-291
Homework: Practice Wkst. 7-6 (due Mon.)

1/9 Mon. In-class review for Semester Exam
Study Chapters 1 thru half of 7

1/10 Tues. **Semester Exam**