

Westchester Lutheran School
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6th Grade Math Syllabus

A CA Standards-Based Approach to Instruction: *“By the end of grade six, students have mastered the four arithmetic operations with whole numbers, positive fractions, positive decimals, and positive and negative integers; they accurately compute and solve problems. They apply their knowledge to statistics and probability. Students understand the concepts of mean, median, and mode of data sets and how to calculate the range. They analyze data and sampling processes for possible bias and misleading conclusions; they use addition and multiplication of fractions routinely to calculate the probabilities for compound events. Students conceptually understand and work with ratios and proportions; they compute percentages (e.g., tax, tips, interest). Students know about pi and the formulas for the circumference and area of a circle. They use letters for numbers in formulas involving geometric shapes and in ratios to represent an unknown part of an expression. They solve one-step linear equations”*
(Retrieved from the CA State Board of Education Math Content Standards at <http://www.cde.ca.gov/be/st/ss/documents/mathstandard.pdf>).

Textbook: Prentice-Hall Mathematics--California Grade 6 Math (2009)

Contents:

Chapter 1—Decimals and Integers
Chapter 2—Exponents, Factors, and Fractions
Chapter 3—Operations with Fractions
Chapter 4—Equations
Chapter 5—Ratios, Rates, and Proportions
Chapter 6—Percents
Chapter 7—Geometry
Chapter 8—Measurement
Chapter 9—Patterns and Rules
Chapter 10—Displaying and Analyzing Data
Chapter 11—Using Probability

There are chapter web codes on page CA27 in the textbook. These web codes can be used online to access student lesson tutorials, the textbook, homework video tutorials, lesson quizzes, practice worksheets, chapter tests, and vocabulary quizzes. Go to PHSchool.com, enter the web code, and click “Go!”.

For parent and student reference, the CA state standards for math are listed on pages CA28-CA39 in the textbook.

Homework Policy: Homework will be assigned each day. Students need to complete all homework problems assigned to them neatly on lined paper, writing the problem, showing the work, and boxing the answer. Sometimes homework will be in the form of a practice worksheet or a project. If an assignment is incomplete or not turned in on the day it is due, no point will be given towards the assignment. Students will receive 1 point for each day of homework that is complete and has corrections on it. Each week has a possibility of 5 total points. Students will receive one weekly homework score. This policy serves the purpose of encouraging students to practice concepts they learned without the unnecessary pressure or anxiety that often is associated with being graded on the number correct. Students learn from their mistakes when we correct it together in class. This is a form of self-assessment that promotes learning.

Weekly Homework Scores:

5/5 =100%
4/5=80%
3/5=60%
2/5=40%
1/5=20%
0/5=0%

Grade Distribution:

Homework: 25%
Chapter Tests: 40%
Midterm/Final: 15%
Quizzes: 20%

Reward Coupons: Each class will have a Homework Rewards Chart to monitor homework completion. Homework is considered completed when it has the problem clearly written, the work is clearly shown to solve the problem, the answer is boxed, and the homework assignment is corrected in class by the student. Each week that a student completes all of the homework assignments, the student will earn a sticker for the week on the Homework Rewards Chart. After a student earns 5 stickers, he or she will earn one homework pass coupon to be used during any quarter. Only one homework pass coupon can be earned during any given quarter. At the end of the quarter, if a student has a sticker for each week on the quarter, then he or she will receive a 5% Extra Credit Quiz Coupon to be used towards any one quiz score. The reward sticker cycle starts over at the beginning of each quarter. At the end of the 1st Semester, students who completed all homework assignments for the first and second quarter will be invited to a pizza party in the math classroom. At the end of the 2nd Semester, students who completed all homework assignments for the third and fourth quarter will be invited to a pizza party in the math classroom.

Each week, the math website will have a daily list of quizzes, tests, and lessons. Please check the website at <http://www.wlcs.org/MSmath/hmwrksheetalgebra.htm>. Sometimes it is necessary to change the assignments and test/quiz dates. Check your child's planner for an accurate listing of assignments and test/quiz dates.

Please contact me via email should you have any questions or concerns.