

Westchester Lutheran School

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6th Grade Math Syllabus

A CA Standards-Based Approach to Instruction with Common Core Supplementation: *"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/ccssmathstandarAug2013.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—Percent
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.

Grading and Homework Policy:

Grading:

- **Homework: 15% (assigned daily)**
- **Quizzes: 35% (two (2) per chapter)**
- **Tests: 35% (one (1) per chapter); cumulative test covering 2-3 chapters**
- **Participation: 5%**
- **Cooperation: 10%**

Participation (1 point/day): This includes attendance, note-taking, asking questions and responding to questions. A possible 5 points per week can be earned for participation.

Cooperation (2 points/day): One (1) point per day will be earned when a student brings all necessary supplies each day. This includes math textbook, notebook, personal whiteboard and dry erase marker, pencils or appropriate writing tools, and a red pen. Students will be advised, in advance, if other materials are needed.

One (1) point per day will be earned for timely submission of homework **WITH** necessary corrections. As homework is reviewed each day, student will indicate wrong answers and write correct answers with a **RED PEN**. Student is to show the process to derive the correct answer.

Homework: Homework will be assigned daily and will be due the following day, unless otherwise noted.

Homework turned in late by 1 day will receive 50% of the earned score. Homework turned in late by 2+ days will receive a 0% but not be marked missing or incomplete.

Assignments are posted and accessible by 6 a.m. each day and will be due the following day by **8 p.m.** or as indicated. **All work is to be submitted to Google Classroom.** Any work turned in via email will NOT be accepted. Late submissions will be scored as indicated above.

Homework not submitted will be marked **Incomplete** in Gradelink. This is a score of 0% and will impact the final quarter grade and student's Work Habits Award.

Quizzes/Tests: There will be two (2) quizzes and one (1) test per chapter. Cumulative tests, covering 2-3 chapters, will also be given to the students.

Extra Credit:

- **5% for First Quarter for Summer Solutions COMPLETED workbook/show your work for each problem**
- **1 - 5% for 2nd-4th Quarter for extra credit projects and school participation functions**

The math website has an overview of upcoming quizzes, tests, lessons, access to web links, and the supply list. Please check out the website on a weekly basis as well as 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.