



VALLEY Christian School

Be transformed by the renewing of your mind. Rom. 12:2

Course Name: Course 3 (Grade 8)

Prerequisite:

C or better in Saxon *Course 2*(Grade 7)

Textbook:

Saxon *Course 3*. Houghton Mifflin Harcourt. 2003

(Valley Christian School will supply the text with a \$50 refundable deposit upon the return of the text in like condition.)

Summary

Students extend their work with ratios to develop an understanding of proportionality that they apply to solve single and multi-step problems in numerous contexts. They use ratio and proportionality to solve a wide variety of percent problems, including problems involving discounts, interest, taxes, tips, and percent increase or decrease. Students decompose prisms and cylinders by slicing them; they develop and understand formulas for their volumes. Course 3 extends understandings of addition, subtraction, multiplication, and division, together with their properties, to all rational numbers, including negative integers. Students make strategic choices of procedures to solve linear equations in one variable and implement them efficiently, understanding that when they use the properties of equality to express an equation in a new way, solutions that they obtain for the new equation also solve the original equation.

Supplies needed:

No. 2 Pencils – mechanical is great

Large pink eraser

Pocket folders

Ruler with English and metric increments

Protractor – transparent

Compass- STAEDTLER Geo Master Compass (Available at Michael's Craft store.

Please only bring a Staedtler compass to class!)

Grading Information:

Tests (66.67%) Students need to complete tests WITHOUT the help of other people (including parents), previous homework, notes, or textbook. SHOW ALL WORK...partial credit is given and NO credit will be given for a correct answer and no work.

Homework (33.33%) Students are assigned homework to learn concepts and to get practice. A good effort is expected. Diligently try ALL problems and SHOW ALL WORK. You may ask anyone for help with homework. Your goal is to understand what you are doing and be able to remember it with practice!!

Participation/ Attendance You are enrolled in this class to receive help learning from your teacher...BE HERE!

Late work will drop 1/2 of the points! Grading Scale: Students will be given a percentage grade.

Guidelines for Success: Since this class is the foundation of any future math classes, completed homework, class participation and attendance is extremely important.

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- **Class participation/ attendance:** Students will demonstrate participation by asking/ answering questions, taking notes, and doing class work. Be **on time** and prepared for class
- **BE DISCIPLINED TO DO ASSIGNED WORK THROUGHOUT THE WEEK!! DON'T WAIT UNTIL THE DAY BEFORE CLASS TO DO ALL HOMEWORK AND TEST. YOU WILL NOT DO WELL!!** You should do one homework lesson or test a day. Then turn in when due.
- **Learn to be organized!!!!**