



VALLEY Christian School

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

Course Name: Algebra II

Prerequisite:

C or better in Geometry or C or better in Saxon Algebra I

Textbook:

Saxon *Algebra II*. Houghton Mifflin Harcourt, 3rd ed.

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

Summary:

This course is designed to challenge students in the application of various algebraic techniques. The course begins with a review of fundamental algebra skills and concepts. The sequence of material covered includes solving equations, inequalities, and linear relations; systems of equations and inequalities; matrices; polynomial equations, inequalities, and radicals; quadratic functions including conic sections; exponential and logarithmic relations; topics in discrete mathematics including sequences, series, probability, and statistics; and basic trigonometric functions.

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!)

Calculator: Texas Instrument, non-graphing! (TI-30(xx))

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.

- **Class participation/ attendance:** Students will demonstrate participation by asking/ answering questions, taking notes, and doing class work. Be **on time** and prepared for class

661 West St., Taylors Falls, MN 55084
651.465.3333 www.valley-christian.org

- **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!!!!**