



VALLEY CHRISTIAN

PASSION • CALLING • CULTURE

Algebra 2

Young Kim

Valley Christian High School, 2023-2024



CONTACT ME:

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Office Hours: by appointment, email me to schedule a time



COURSE DETAILS:

This year-long course is considered a “C-Mathematics” course by the University of California. This course also satisfies VCS graduation requirements.



REQUIRED MATERIALS FOR CLASS:

- iPad or Apple laptop
- Pencils/Pens
- Designated binder for this course w/ paper
- (alternative) Notebook and a folder
- Textbook: “Pearson Algebra II” Common Core, ISBN No. 978-1256331896 ; school-issued



STUDENT LEARNING EXPECTATIONS:

- Refer to Course website for daily lesson plans & assignment details
- Check your VCS email every day
- Be on time to class
- Be respectful of the learning environment
- See Student Life Guide & Student Handbook for more details



GRADING & LATE WORK POLICY:

QUARTER GRADING:

20 % Homework

70% Tests and Quizzes

10% Class participation and Notes

SEMESTER GRADING:

80% average of the 2 quarters

20% cumulative exam

Late Work Policy: students have as many school days as their excused absence(s) to make up missed work for full credit. Students are to communicate directly with teachers when absent.



BIBLICAL FOUNDATION FOR THIS COURSE:

The Christian study of mathematics points to the underlying structure of the universe. It is one tool that enables students to see precision as God's order for the universe and helps them to better understand God's creation. It also helps students conform to the image of God and prepare for Christian servanthood. Algebra is based on God's laws of logic. In algebra, there is a systematic approach to using definitions and theorems to write proofs. This system is one that shows three qualities of God – He is consistent (II Timothy 2:13), He is independent (Romans 9:18, Isaiah 40:13-14), and He is complete (II Timothy 2:13). Algebra exalts God for all three qualities, but reflects consistency most clearly (Matthew 6:5).

Course Content: This course complements and expands the mathematical content and concepts of Algebra I and Geometry. Students who master Algebra II will gain experience with algebraic solutions of problems in various content areas, including the solution of systems of linear and quadratic equations, logarithmic and exponential functions, the binomial theorem, the complex number system, and its relation to trigonometric functions. Algebra II Honors is a more rigorous study of the discipline.

Practice work and Homework: Practice work and homework will be assigned on a weekly basis. In order to receive full all work must:

- Include the student's full name, assignment page and problem numbers on the top of the page
- Be completed in pencil or pen on a full size sheet of printer paper or notebook paper
- Have problems numbered with all work shown
- Be turned in on time with the exception of during/following an illness.

Students who miss class due to sports or a field trip are responsible for turning in that day's assignment as well as getting the notes/assignments given during the missed class.

Collaboration/Academic Dishonesty: Mathematics is a collaborative sport. You are permitted and encouraged to work with your peers on homework problems. However, **you must write up solutions independently** and it is best practice to cite those with whom you worked with. Duplicated work will not be accepted and constitutes a violation of our Honour Principle.

Missed Tests:

- Students who are absent on the day a quiz or test is given but who did not miss any instruction will be required to make up the test the day they return to class.
- Students who are absent on the day a quiz or test is given and were also absent for instruction will have time upon return equal to the number of days absent in which to make up the quiz or test covering that material.

Electronic Devices: The use of a calculator may be permitted on homework. During class time, **no electronic devices should be used, unless given instructor's approval.** During break and lunchtime students are expected to manage their devices respectfully and responsibly. Consequences for inappropriate use of electronics include loss of electronic devices for the class period or for the day.