

MATHEMATICS

“Great is our Lord and mighty in power – His understanding is infinite!” (Psalm 147:5).

DESCRIPTION OF EXCELLENCE

The Math Department’s comprehensive program is designed to create successful academic opportunities for all ability levels, training students to be analytical, logical, and precise thinkers while exploring how mathematics reveals God’s perfection, beauty, and logic.

MATH DEPARTMENT FACULTY

Our Math Department faculty includes nine teachers with master’s or doctoral degrees; the average instructor has taught at VCS eight years.

MATH DEPARTMENT DISTINCTIVES

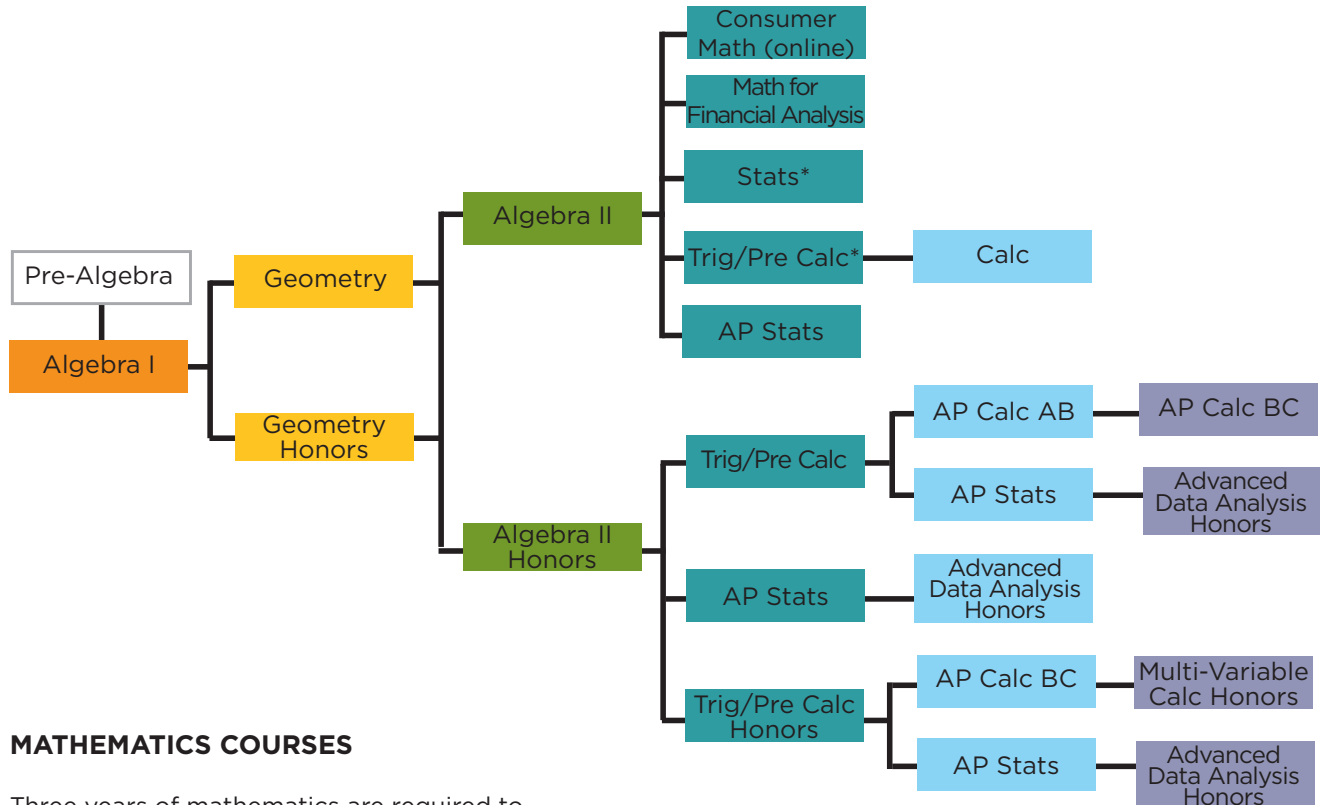
- Through persistence, effort, and practice, our students outperform the national average.
- A variety of different technology programs are used in our classrooms, including: TI Navigator, iPads with apps, ALEKS, Moodle, TI Presenter, Java, Core, Webassign, JMP, and R language. Students are trained to solve problems with and without technology to prepare for exams prohibiting the use of calculators.
- VCHS offers an active math honors club that is a chapter of Mu Alpha Theta, the National Mathematics Honor Society. The VCHS Math Team placed first at the 2019 Math League National Championships, and Best Overall in the Nation at the American Statistical Association Fall Data Challenge two years in a row.
- The Math Department participates in VCHS’ Dual Credit Program, which allows students selecting certain classes to take those for college credit.



“Do it heartily as to the Lord.” Col. 3:23

Students will start at different levels based on previous completed math courses.

* Statistics, and Trig/Pre Calc can be taken in any order. Trig/Pre Calc must be taken before Calculus.



MATHEMATICS COURSES

Three years of mathematics are required to graduate from VCHS. Students should be able to reach Algebra II in order to be college eligible. VCHS highly recommends four years of mathematics to compete in the college market.

This map is a general planning tool, intended to show the course and typical student tracks. Students may deviate from the map and should consult with the counselors and teachers to find the best classes to meet their academic and spiritual goals. Courses offered may vary year to year.

MATH COURSES DESCRIPTIONS

All of our course descriptions are found online: vcs.net/hscoursecatalog.

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MATH DEPARTMENT PHILOSOPHY

The junior high math department believes that the study of mathematics reveals the character and nature of God. Through the understanding of mathematics, students recognize the mathematical precision that is God's world and more clearly understand the attributes of God's character through the window of mathematics. (Colossians 1:9-29; Malachi 3:6; Genesis 1:26; Psalm 9:1)

COURSE SELECTION

Math placement is based on the following parameters:

1. Successful completion of prerequisite course/s
2. Assessment scores
3. Teacher recommendation

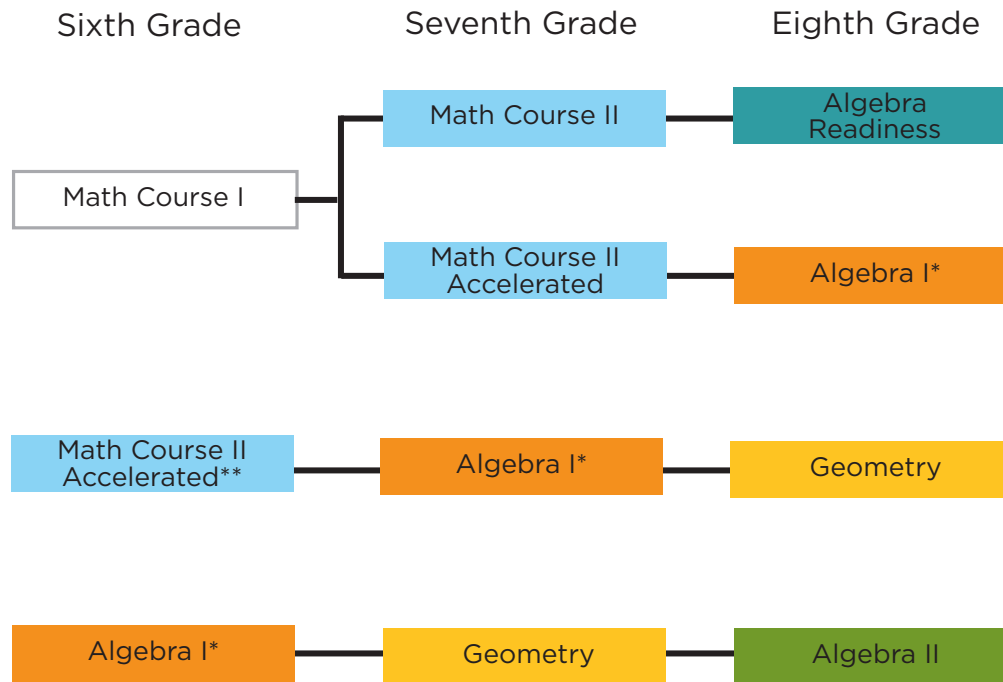
Highly qualified students who have successfully completed the prerequisites may be offered advanced math courses. Students who choose to enroll in an advanced class will be required to sign a contract agreeing to meet the class standards as stipulated in the contract. Students and parents are encouraged to consult with the Math Department Head and/or Academic Counselor about their mathematics goals.

MATH MAP

Valley Christian Junior High students take a mathematics course during each of their junior high school years. The Math Map illustrates the course offerings at the junior high in sequence.



"Do it heartily as to the Lord." Col. 3:23



* Students may not take Algebra I without first taking Math Course II Accelerated from an accredited school.

1. This is subject to change.
2. Students may not take Algebra I or Algebra II over the summer.
3. Math students attempting to skip ahead during summer must:
 - a. Gain permission from their current math teacher.
 - b. Gain permission from the Math Department Head.
 - c. Tell the Academic Counselor their intent.
 - d. Pass a VCJH placement exam upon completion of summer course.

** This is an advanced math course and may require a placement exam.

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