MATHEMATICS

VALLEY CHRISTIAN SCHOOLS™
JUNIOR HIGH
"Do it heartily as to the Lord." Col. 3:23

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

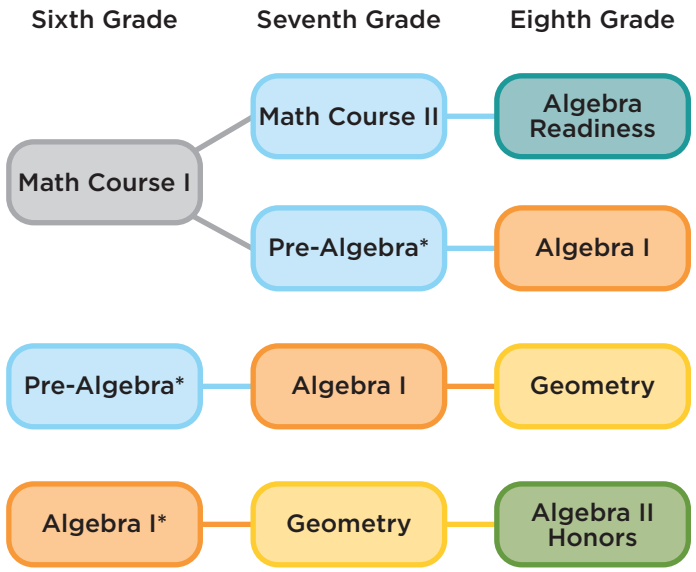
Math placement is based on the following parameters:

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 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.



1. Students are required to take a one-year Algebra I and Algebra II course in person at an accredited school.
2. Math students attempting to skip ahead for Pre-Algebra or Geometry during summer must:
   - Find a summer course from an accredited school.
   - Gain permission from current math teacher and Math Department Head.
   - Tell an Academic Counselor their intent.
   - Provide a transcript to VCJH upon completion of summer course.
   - May be required to pass a VCJH placement exam.
3. Students may not take math classes concurrently.
4. Outside transcripts for courses of Geometry or higher must be UC approved.
5. Students may only take skip ahead Geometry after seventh grade per UC requirements.

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

Scan QR Code to View the Course Catalog or Visit vcs.net/jhcoursecatalog

MATHEMATICS

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

"Great is our Lord and mighty in power – His understanding is infinite" **(Psalm 147:5).**

DESCRIPTION OF EXCELLENCE

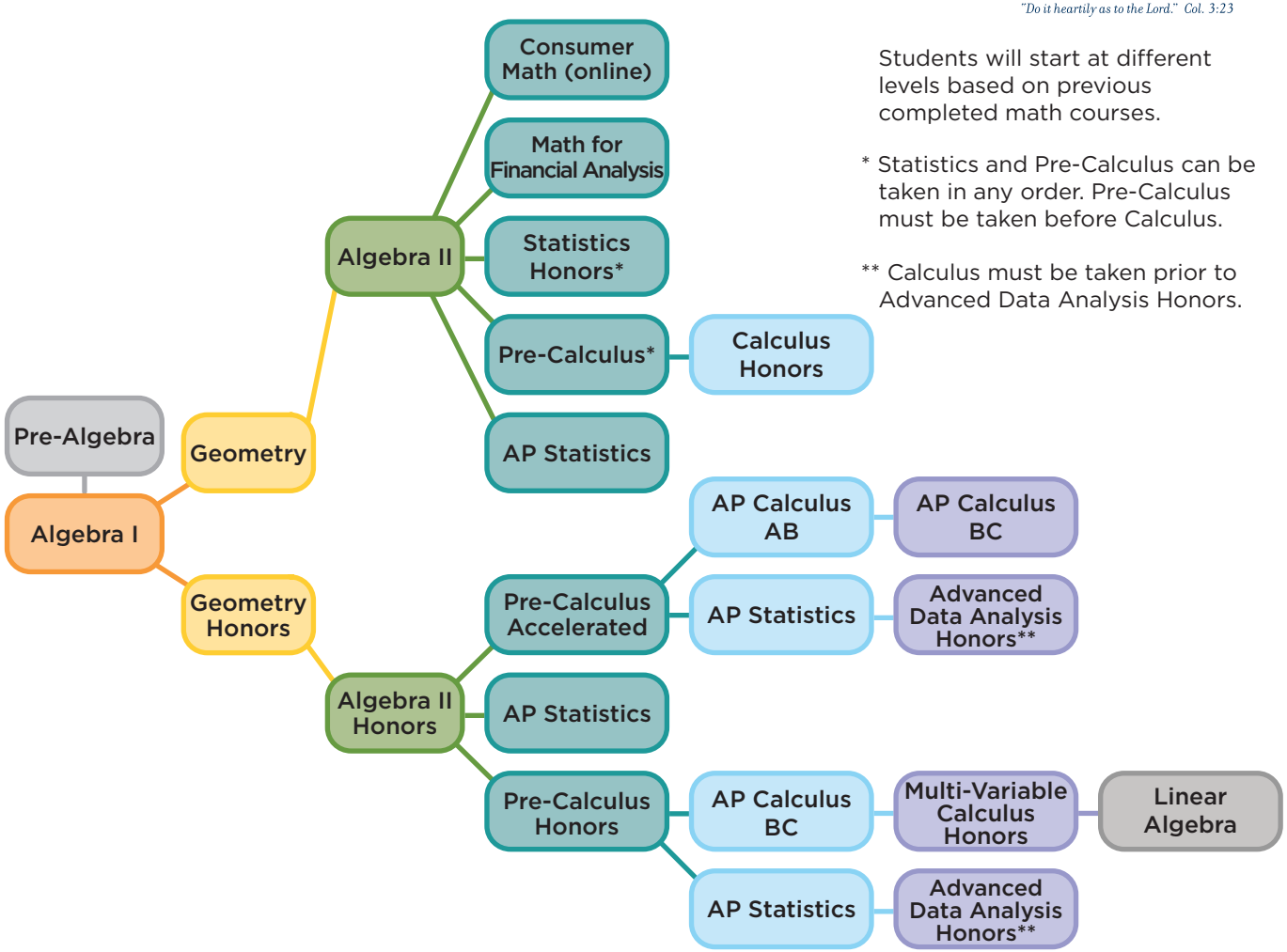
The Math Department's comprehensive program is designed to create successful academic opportunities for all ability levels, training students to be analytical and logical thinkers while exploring how mathematics reveals God's perfection, beauty, and logic.

MATH DEPARTMENT FACULTY

Our Math Department faculty includes eight teachers with master's or doctoral degrees.

MATH DEPARTMENT DISTINCTIVES

- Through persistence, effort, and practice, our students outperform national averages.
- 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, 2021, and 2022 Math League National Championships. Our students in Advanced Data Analysis have won Best Overall in the Nation at the American Statistical Association Fall Data Challenge every year since 2017, except the 2020 pandemic year.
- The Math Department participates in VCHS' Dual Credit Program, which allows students to take specified classes for college credit.



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

* Statistics and Pre-Calculus can be taken in any order. Pre-Calculus must be taken before Calculus.

** Calculus must be taken prior to Advanced Data Analysis Honors.

MATH 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 their academic counselors and teachers to find the best classes to meet their academic and spiritual goals. Courses offered may vary year to year.

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