

# HSHS MATHEMATICS COURSE SEQUENCES - Rising 9th Grade

## Math Department Mission Statement

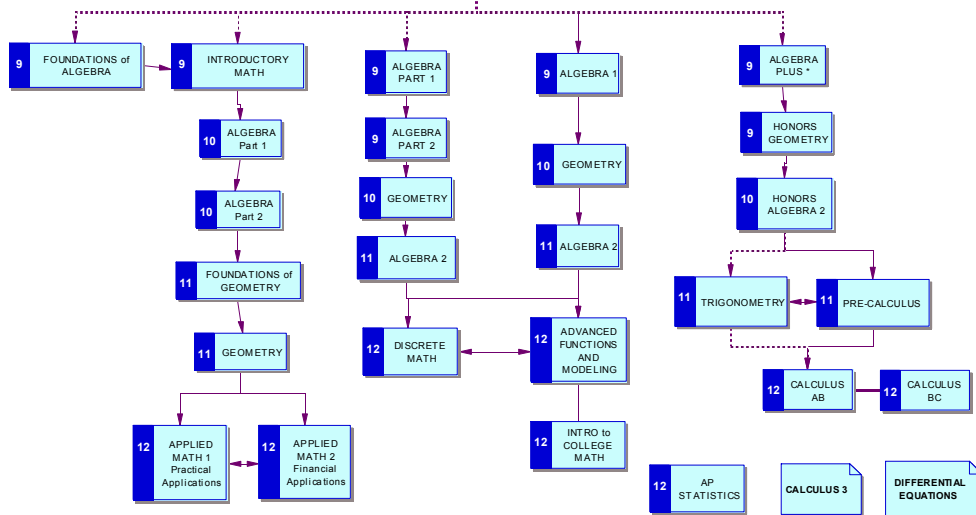
While supporting the overall mission of Holly Springs High School, the mission of the HSHS Math Department is to promote student appreciation of the beauty and significance of mathematics in today's society.

JAN 2009



Future Ready Core Course of Study

Questions?  
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Students who have completed Algebra 2 may take Discrete Math or AP Statistics as a Math elective.

\* Only students who have taken Algebra I in 8th grade should take Algebra Plus and Honors Geometry during their 9th grade year. A teacher recommendation will still be needed before proceeding to Honors Geometry.

Students who plan to take AP Calculus are recommended to take both PreCalculus and Trigonometry, in either order.

Students who complete the HSHS math sequence by their Junior year may choose to take Calculus 3 and Differential Equations. The location depends on enrollment. This may require dual enrollment at a college or university, prior approval from the principal and Calculus teacher, and at least a 3 on the AP Calculus BC Exam.

+ Although other sequences are possible, most students frequently follow these recommended math sequences at Holly Springs High School.

+ Since every child is unique in his or her needs, care is taken by the Math Department, Guidance Counselors, Advisory Teacher, and Administration to work with each student to develop a 4 year-plan and select the sequence that will ensure academic success.

+ Successful completion of Algebra I is required to graduate from high school. The Algebra I EOC is part of the High School Exit Standards beginning with the 2006-2007 incoming freshmen. All students must successfully complete 4 math credits to graduate from HSHS.

+ Depending on performance, recommendations, or interest, students may elect to take additional courses and thus take more than 1 math a year. Doubling up on math classes is a decision that should be made with assistance from the support teams in place and with a 4-year plan in place. Overall, unless indicated on the flow chart above students are not recommended to double up on math during a school year.

+The final exam for Algebra 1, Algebra 1 Part 2, Algebra Plus, Geometry, and Algebra 2 are North Carolina End-of-Course tests, which is 25% of the final grade. The final exam in all other math classes is 20% of the final grade.

+ Discrete Math and AP Statistics may be taken any time after completing Algebra 2. Teacher recommendation is required.

+ Students who register for AP Calculus and AP Statistics are expected to take the AP Exam at the end of the course.