MATH DEPARTMENT

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District Chairperson

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MATHEMATICS DEPARTMENT

Student Outcomes

The Hewlett-Woodmere School District is dedicated to ensuring that its students develop content mastery with respect to both conceptual understanding and procedural skill and practice. This is part of a continuum of learning that will lead our students to the objectives outlined in the Hewlett-Woodmere Student Outcomes.

Mathematics 6:

Mathematics 6 includes all the 6th grade Common Core Learning Standards for Mathematics. Students will also begin to develop an understanding of algebra, which will be the basis for all future mathematics courses. Students will focus on proportional reasoning, expressions and equations, geometry and operations with integers.

Mathematics Lab Grade 6:

This course complements the mathematics curriculum in Mathematics 6 and gives additional support to those students whose math skills need reinforcement as identified through standardized testing and/or teacher recommendation. Classes meet every other day throughout the school year. Students will learn strategies that will help them master topics taught in their 6^{th} grade class.

Mathematics 7:

Mathematics 7 includes all the 7th grade Common Core Learning Standards for Mathematics, as well as some of the 8^{th} grade learning standards. Students will focus on proportional reasoning, expressions and equations, geometry, statistics and probability. Students who demonstrate mastery of the material in this course will be prepared for Algebra I in 8th grade.

Mathematics Lab Grade 7:

This course complements the mathematics curriculum and gives additional support to those students whose math skills need reinforcement as identified through standardized testing and/or teacher recommendation. Classes meet every other day throughout the school year. Students will learn strategies that will help them master topics taught in their 7^{th} .

MATHEMATICS DEPARTMENT (continued)

Math 8:

Math 8 includes the 8th grade Common Core State Standards for Mathematics, with a focus on fluency, deep understanding, and application. Students will focus on linear equations, linear functions, scientific notation, geometric similarity and congruence. This course will provide additional foundational skills for success in Algebra I.

Mathematics Lab Grade 8:

This course complements the mathematics curriculum and gives additional support to those students whose math skills need reinforcement as identified through standardized testing and/or teacher recommendation. Classes meet every other day throughout the school year. Students will learn strategies that will help them master topics taught in their 8th grade.

*Algebra IH:

This course will prepare students to take the Common Core Algebra I Regents exam in 8th grade and earn high school credit. Students who have completed and demonstrated mastery in Mathematics 7 are suggested to take this course. Students will focus on linear functions, exponential functions, polynomial and quadratic equations and functions, modeling with equations and functions, and statistics. The final average is weighted (1.05) as an honors course in the calculation of the student's high school grade point average.

***Any 8th grade student may enroll in Algebra. Teacher recommendations will be provided to help determine the appropriate placement for 8th grade students.**

****Final averages and Regents exam scores from this class will appear on the student's permanent high school transcripts.**

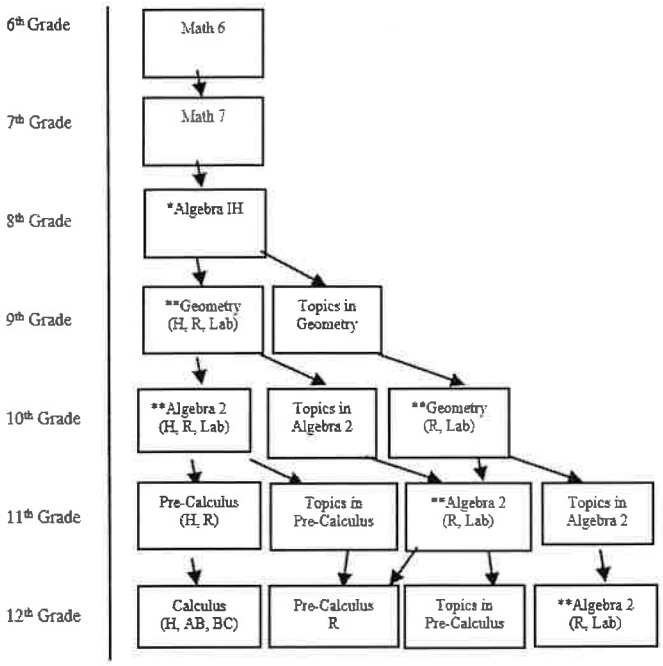
*****Cutoff date to drop out of Algebra is the first Friday in December.**

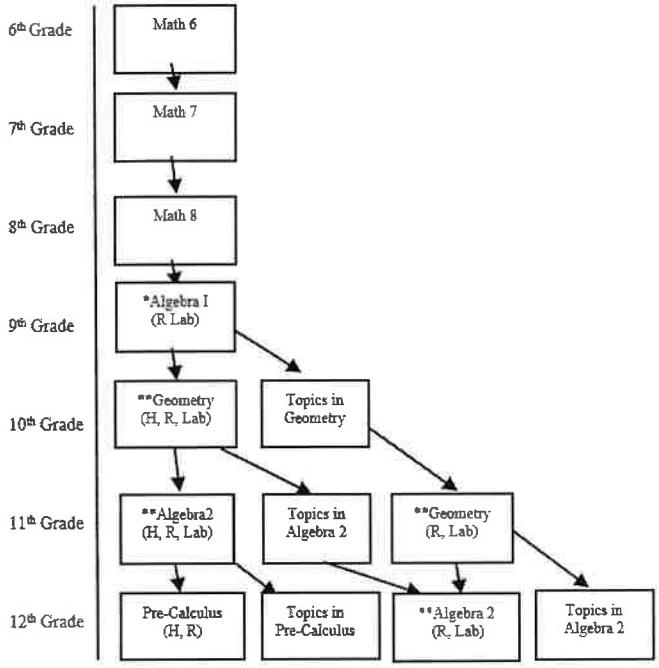
****** Per BOE policy 5100…** ***Middle School Regents Courses Attendance Policy***
The high school minimum Attendance Policy shall apply to all students taking Regents courses in the middle school. This Policy states that a student with 24 or more absences will not receive credit for the class.

Algebra I Lab

This course complements the Algebra I curriculum and gives additional support to those students whose math skills need reinforcement as identified through standardized testing and/or teacher recommendation. Classes meet every other day throughout the school year. Students will learn strategies that will help them master topics taught in their Algebra I.

MATHEMATICS DEPARTMENT FLOW CHART





Students on either pathway will have the opportunity to take AP Statistics after completing Algebra 2.

*Indicates course with Regents Examination required for Regents Diploma
** Indicates Course with Regents Examination required for Advanced Regents Diploma

Final averages and Regents exam scores from this 8th grade Algebra course will appear on the student's permanent high school transcripts as a high school course.

Algebra is a course with a Regents exam required for graduation.

Geometry and Algebra 2 are courses with Regents exams required for an Advanced Regents Diploma.

Alternate electives are available in grades 10, 11, and 12

Students who complete two regents-level courses in middle school will only receive high school credit for one regents course.