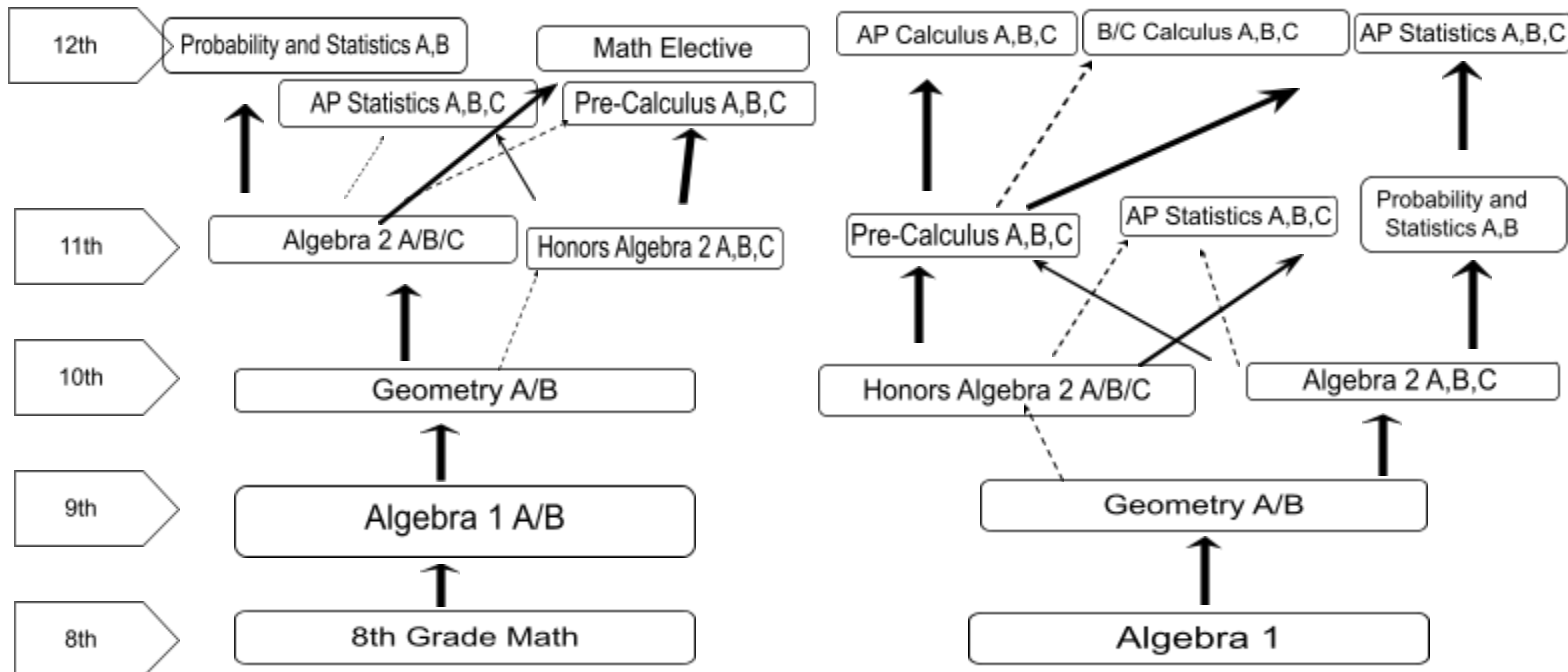


GLHS Department of Mathematics

Flow Chart for Mathematics Course

Algebra 1, Geometry, Algebra 2 and a Senior Year math experience are required for graduation.

Dashed line means teacher recommendation is required.



Algebra 1 (2 trimesters)

Grade 9:

This is a two-trimester foundation course, which provides a formal development of algebraic skills to prepare students for all subsequent mathematics courses. Topics of this course include the properties of real numbers, equations and inequalities, functions, and their graphs, simplifying expressions, polynomials, families of functions, and problem solving. The concept of function is emphasized throughout the course. A scientific calculator or a graphing calculator (TI 83 or TI 84) is highly recommended.

Geometry (2 trimesters) Prerequisite: Algebra I.

Grade 10:

This is a two-trimester course for students who have successfully completed Algebra 1. The content of this course will integrate Algebra 1 and discrete mathematics into Geometry. Pure and applied mathematics are also integrated throughout the course. A scientific calculator or a graphing calculator (TI 83 or TI 84) is highly recommended.

Algebra 2 (3 trimesters) Prerequisite: Geometry

Grade 11:

This is a three-trimester course that is an adventure into the world of advanced mathematics. It includes investigations into linear equations and systems, quadratics, and higher degree polynomials. Algebra 2 blends the study of Algebra 1 and Geometry, and it even touches Trigonometry. A scientific calculator or a graphing calculator (TI 83 or TI 84) is highly recommended.

Other Course Offerings:

Elementary Statistics: This course can be taken anytime after completion of Algebra 1.

Application of Functions: This course can be taken anytime after completion of Algebra 2.

College Prep Mathematics: This course can be taken anytime after completion of Algebra 2.

Senior Year Math Electives:

- All Career Center courses that have embedded math into the curriculum
- Accounting 1A/B
- Accounting 2A/B
- Marketing 2A/B
- Business Finance
- Financial Living Skills
- Intro to Programming
- Physics A/B
- AP Physics C
- Chemistry A/B
- AP Micro/Macro
- Beginning Design Engineering A/B
- Beginning Drafting A/B
- Technical Drafting 1A/B
- Technical Drafting 2A/B
- Technical Drafting 3A/B
- Advanced Design Engineering 1A/B
- Advanced Design Engineering 2A/B

For more information about math at Grand Ledge High School please visit the department website <https://glhsmath.weebly.com/index.html>

You will find more details about each course including links to textbooks, test out information, and more.