

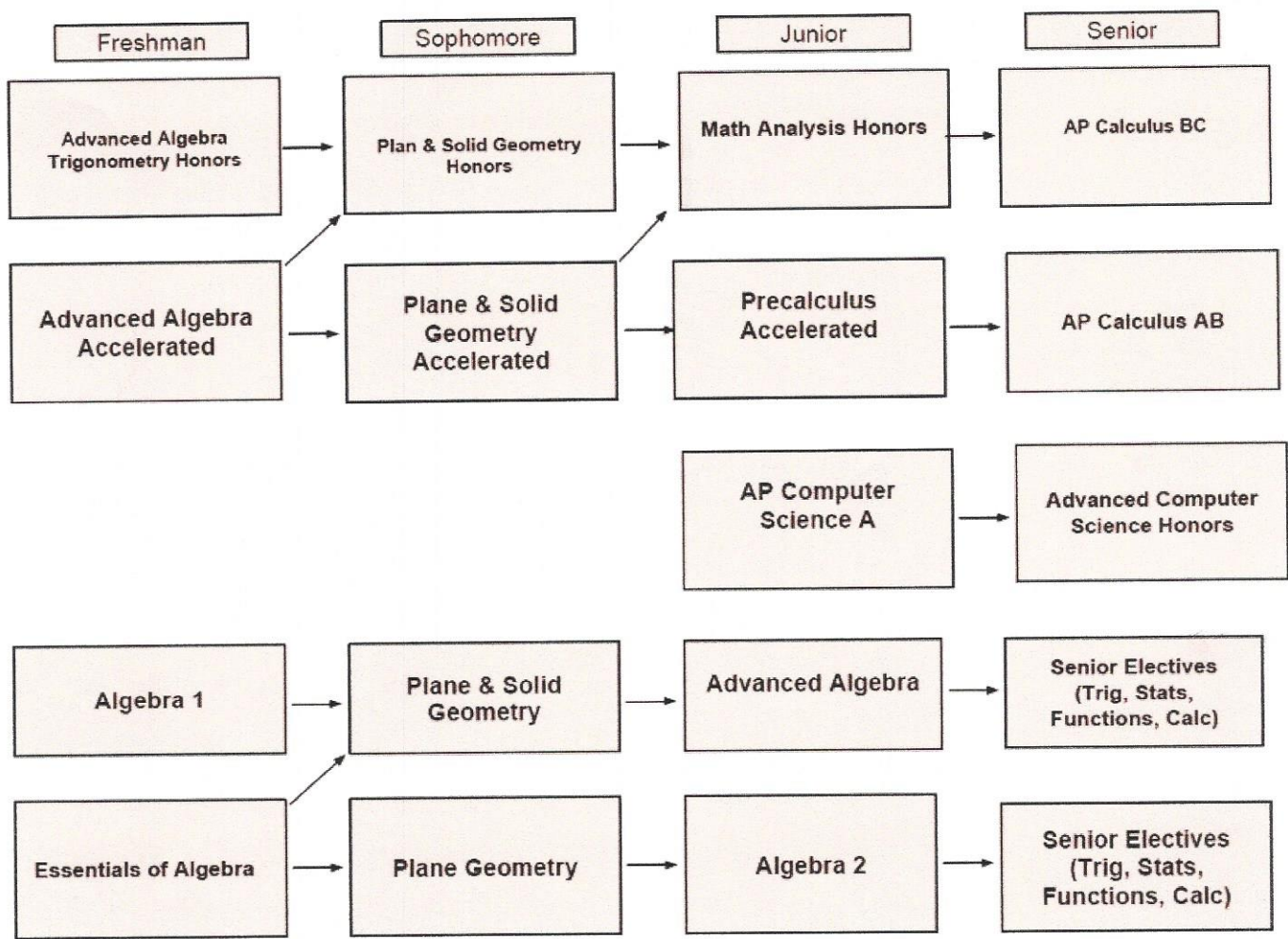
# Math

The Mathematics Department of Lake Forest High School will prepare students for life in an increasingly technological world in the following core areas: problem solving, logical reasoning, communicating mathematical ideas, applying mathematics to real-world situations and using technology as a mathematical tool to solve mathematical problems. We will maintain learning environments and classroom situations in which students can develop confidence in the above endeavors.

	<u>FRESHMAN</u>	<u>SOPHOMORE</u>	<u>JUNIOR</u>	<u>SENIOR</u>
Concept	Math 1 → ↘	Algebra → Math 2 →	Plane Geometry → Algebra →	Algebra 2 Plane Geometry
Skills	Algebra →	Plane Geometry	Algebra 2 → ↘	Trigonometry, Statistics & Quantitative Literacy Secondary Math Topics
College Prep	Intermediate Algebra →	P/S Geometry →	Advanced Algebra →	College Algebra/Trig.
Accelerated	Advanced Algebra Accelerated →	P/S Geometry Accelerated ↗ ↘	Pre-Calculus ↗ ↘ College Alg/Trig ↗ ↘	AP Calculus (AB) AP Statistics Calculus CP Senior Math Topics
Honors	Advanced Algebra Trig H →	P/S Geometry H →	Math Analysis H ↗ ↘	AP Calculus (BC) AP Calculus (AB)
Honors 8 <sup>th</sup> grade AATH	P/S Geometry H →	Math Analysis H →	AP Calculus (BC) →	Multivariable Calculus and Advanced Topics in Mathematics Honors
			AP Computer Science A →	Advanced Computer Science Honors
				AP Computer Science A

# MATHEMATICS

The Mathematics Department of Lake Forest High School prepares students for an increasingly technological world while concentrating on the following core areas: applying mathematics to solve problems, communicating mathematical ideas, logical reasoning, and using technology as a tool to solve mathematical problems. We will maintain learning environments and classroom situations in which students can practice and improve in the above endeavors.



**AP Statistics** can be taken after any course above and to the right of Advanced Algebra.  
**Advanced Mathematics Problem Solving** can be taken after AAA (or equivalent) as a math elective.

\*The above course sequences are neither prescriptive nor complete; variations of these sequences are used when necessary to meet the needs of LFHS students