

Lake Forest High School

Math Program

November/December 2011

2012-2013 School Year

Math Course Flow Chart

Class of 2016

TRACT	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
Concept	Math 1 → ↘	Math 2 → Algebra →	Essentials of Algebra → Plane Geometry →	Plane Geometry Algebra 2
Skills	Algebra →	Plane Geometry →	Algebra 2 →	Trig/Stats/Quant Lit
College Prep	Intermediate Algebra ↗ ↘	Plane Geometry → P/S Geometry →	Algebra 2 → Advanced Algebra → ↘	Trig/Stats/Quant Lit College Algebra/Trig. Pre-Calculus
Advanced	Advanced Algebra → Accelerated	P/S Geometry ↗ Accelerated ↘	College Alg/Trig ↗ Pre-Calculus ↗ ↘	Sr. Math Topics Statistics AP Calculus CP Calculus AP (AB)
Honors	Advanced Algebra Trig H →	P/S Geometry H. →	Math Analysis H ↗ ↘	Calculus AP (AB) Calculus AP (BC)
Honors	P/S Geometry H. →	Math Analysis H →	Calculus AP (BC) →	Multivariable Calculus H and Advanced Topics in Mathematics H
		Computer Science AP →	Advanced Computer Science Honors	
			Computer Science AP →	Advanced Computer Science Honors



Freshman Courses

- Math 1
- Algebra
 - Pre-Algebra or Algebra in the middle school
- Intermediate Algebra
 - Algebra in the middle school
- Advanced Algebra Accelerated
 - Mastered Algebra in the middle school
- Advanced Algebra Trigonometry Honors
- P/S Geometry Honors
 - 8th Grade AATH with Mr. Coad



LFHS Math Program

- Majority of our students will take a Calculus class at the high school.
- Students have the opportunity to complete four years of math.
- AP Computer Science
- AP Statistics



Advance Technology

- These resources allow teachers to present math topics in dynamic method and to allow student to interact with the topics.
- TI 84 Calculators
- Smartboards
- Geometer's Sketchpad 5.0
- Mathematica 8.0
- Numerous Online Resources



Extra-Curricular

- Math Team
 - Monday after school
 - State Competitions
- American Mathematics Competition
 - AMC 10 / AMC 12 February
 - Top scores advance to AIME
- Illinois Math League
 - 6 Quizzes throughout the school year
 - After School 150 students participate



Help is free in the MRC

- Room 170
- The MRC is open from 7:00 am-4:00 pm (M-F)
- Staffed by LFHS Math Teachers



Math Articulation Meetings

- DPMS LBMS St. Mary's LFCDS LFHS
- Fifteen Teachers discuss:
 - Math Curriculum
 - Student Placements
 - Expectations
- Initial Placement in January 2012
 - Reaffirm placements in May 2012



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