

Suggested Math Course Sequencing

Annandale High School

7 th grade	8 th grade	9 th grade	10 th grade	11 th grade	12 th grade
Algebra I	Geometry	Algebra II Honors Algebra II	AP Statistics Trig/Math Analysis Computer Science →	IB Higher Math Level I IB Math Methods SL I IB Math Studies AP Statistics IB Computer Science SL → Computer Science I →	IB Higher Math Level II IB Math Methods SL II IB Math Studies AP Statistics IB Computer Science HL IB Computer Science SL Computer Science I Personal Financial Math
	Algebra I	Geometry Honors Geometry Geometry Part I	Algebra II Honors Algebra II Computer Science I → Geometry Part II	IB Methods I IB Higher Level I AP Statistics Trig/Math Analysis IB Computer Science SL → Computer Science I →	IB Methods II IB Higher Level II IB Math Studies AP Statistics IB Computer Science HL IB Computer Science SL Computer Science I Personal Financial Math
		Algebra I	Geometry Honors Geometry Geometry Part I	Algebra II Honors Algebra II Computer Science I → Geometry Part II	AP Statistics IB Math Studies*** Trig/Math Analysis IB Computer Science SL Computer Science I Personal Financial Math
		Algebra I Part I ESOL Alg I Part I	Algebra I	Geometry Geometry Part I	Algebra II Computer Science I Personal Financial Math Geometry Part II
		Fast Math I/II	Fast Math I/II ESOL Algebra I Part I Algebra I Part I	Fast Math I/II ESOL Algebra I Part I Algebra I Part I	Algebra I Geometry Personal Financial Math

The math department requests that guidance examines the 8th grade SOL failure list and reevaluates the placement of these students before school begins in September. If possible, the math department would like to be able to recommend each of our students for next year's placement.

***Math Studies has a prerequisite of Trig/Math Analysis, however, if a student is an A or strong B student in 11th grade Algebra II or Honors Algebra II, they could take Math Studies as a senior with teacher recommendation. This exception is primarily to accommodate students who want the IB Diploma and would not be able to get credit for any IB Math Course without this exception.

Placement in Fast Math classes is determined by test results on the Eames test, which is administered at Devonshire Placement Center or at Annandale High School as follows:

- Fast Math I—for students scoring at 3rd grad level or lower
- Fast Math II—for students scoring at 4th and 5th grade level
- ESOL Algebra I Part I—for students who score at 6th-8th grade level

Placement of Fast Math students into Algebra I, Algebra I Part I, ESOL Algebra I Part I or Fast Math I or II depends on success in the current Fast Math class as evaluated and recommended by the classroom teacher.

Computer Science I

- Prerequisite is a C or higher in Geometry; Student must be in 10th, 11th or 12th grade
- Develops problem solving and reasoning skills that are transferable across the curriculum.
- Is a computer based math course
- Can be used as a math graduation credit for students who failed Algebra II.
- Exposes students to software development and design with the programming language JAVA.
- Is great for all students, not just those who want to pursue a career in programming or Computer Science.
- Provides a mentored atmosphere that prepares students for greater success in college Computer Science courses. Our full year course covers what college 1st semester courses cover in half of a semester.

IB Computer Science I --Prerequisite is a C or higher in Computer Science I; IB Computer Science II -- prerequisite is a C or higher in IB CS I; For both IB courses, student must be in 11th or 12th grade.

AP Statistics

- Prerequisite is Algebra II or Algebra II Honors
- Recommended as a math elective for students who have completed
 - Algebra II or Algebra II Honors with a grade of at least a B+ and want an additional math course. It is highly recommended for 10th graders who completed Algebra II or Algebra II Honors and cannot take IB Methods I or Higher Level I until 11th grade.
 - Trig/Math Analysis with a grade of at least a B
 - IB Math Methods or Higher Level I with a grade of at least a C
- Students should be independent workers and well motivated.
- Students should have good English speaking skills as this course is very language oriented

Algebra I - 9th grader needs an A or B in Math 8, otherwise, place in Algebra I Part I. HS student in Algebra I Part I needs a C or better to move to Algebra I.

Geometry/Geometry Part I - C or higher in Algebra I and evaluation from Geometry Diagnostic Test given in February of Algebra I year.

Geometry Honors – Need Algebra I with grade of A or Strong B.

Algebra II Honors – Need Geometry Honors with grade of C or better or Geometry with grade of A/Strong B with teacher recommendation.

Math Methods I - Need Algebra II with grade of A/Strong B or Algebra II Honors with grade of C or higher.

Math Methods II – C or higher in Math Methods I

Higher Level I - Algebra II Honors - A/Strong B or Algebra II A with teacher recommendation

Higher Level II - C or higher in Higher Level I

*** All math students need a C or higher to move on to the next course in a sequence, unless parent/guardian letters are signed to overturn.**