

**MATHEMATICS DEPARTMENT
2021 – 2022
COURSE PROGRESSION**

THESE COURSE SEQUENCES PREPARE STUDENTS FOR PRE-CALCULUS IN COLLEGE

GRADE 8	GRADE 9	GRADE 10	GRADE 11	GRADE 12
Introduction to Algebra (final grade below C) or Learning Center Math	Applying Algebra to Introductory Physics CP	Geometry CP	Algebra 2 CP or Algebra 2 CP with Personal Finance Focus	Math'I Decision Making CP or Introductory Statistics CP

OR

GRADE 8	GRADE 9	GRADE 10	GRADE 11	GRADE 12
Introduction to Algebra	Algebra 1 CP	Geometry CP	Algebra 2 CP or Algebra 2 CP with Personal Finance Focus	Math'I Decision Making CP or Introductory Statistics CP

THIS COURSE SEQUENCE PREPARES STUDENTS FOR CALCULUS IN COLLEGE

GRADE 8	GRADE 9	GRADE 10	GRADE 11	GRADE 12
Introduction to Algebra	Algebra 1 CP	Geometry CP	Algebra 2 CP or Algebra 2 CP with Personal Finance Focus	Pre-Calculus CP and / or Introductory Statistics CP

OR

GRADE 8	GRADE 9	GRADE 10	GRADE 11	GRADE 12
Introduction to Algebra	Algebra 1 CP	Algebra 2CP	Pre-Calculus CP	Introductory Calculus CP

NOTE: Students following this course sequence have two options for completing a traditional geometry course. The first is an online geometry course during the summer between grades 8 and 9 (semester 1) and the summer between grades 9 & 10 (semester 2). The second option available students have is to take geometry along with algebra 1 in grade 9 or along with algebra 2 in grade 10. More information about these two options can be found on page 3 of this document.

**THIS COURSE SEQUENCE PREPARES STUDENTS FOR CALCULUS OR BEYOND IN COLLEGE
STUDENTS MUST EARN A GRADE OF C OR ABOVE EACH SEMESTER AND ON EACH SEMESTER EXAM
IN ORDER TO BE RECOMMENDED FOR THE NEXT COURSE IN THE SEQUENCE**

GRADE 8	GRADE 9	GRADE 10	GRADE 11	GRADE 12
Algebra I (H)	Geometry (H)	Algebra II (H)	Pre-Calculus (H)	AP Calculus AB or BC Level and/or Statistics (H/AP)

Eighth graders currently taking ***Introduction to Algebra*** who are interested in completing Algebra 2 while in grade 10, can complete a geometry course through one of the following two options:

OPTION A for Completing Geometry: ***An online summer course***

- ◆ Students would access the course through their Blackboard account
- ◆ Semester 1 would be completed during the summer going from grade 8 to grade 9
- ◆ Semester 2 would be completed during the summer going from grade 9 to grade 10
- ◆ The course would be available to students from July 1 through August 31
- ◆ The course is completely asynchronous so there are no specific days/times when the student is required to be working on the material
- ◆ The course will be graded Pass – Fail
- ◆ The course would appear on the student’s transcript
- ◆ Credit earned in this course (2.5 per semester) would count toward the general graduation requirement of 110 credits but not toward the 15 credit requirement in math
- ◆ A teacher will be available on specific days/times to answer student questions via e-mail
- ◆ Training sessions will take place before school closes in June to insure that students are comfortable with the navigation within the course material

Option B for Completing Geometry:

- ◆ Taking Geometry in ninth grade along with Algebra 1. It would have to be in place of either an elective or a study hall.
- OR**
- ◆ Taking Geometry in tenth grade along with Algebra 2. It would have to be in place of either an elective or a study hall.

In order to be prepared for PSATs, SATs, the ACT and state mandated testing a geometry course should be completed prior to the start of eleventh grade.

If you are interested in either of these options or have questions about your options, please contact Ms. Tenanty no later than Monday, April 6, at:

dtenanty@masconomet.org

or

978 – 887 – 2323 x12254