



Math 10 Course Outline Fall 2025

Instructor: Ms. Carpio

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Course Description: Foundations of Mathematics and Pre-calculus 10 is designed to provide students with the basic mathematical understandings and critical thinking skills needed for post-secondary studies in programs that require an academic or mathematics credit. Topics of study include real numbers, polynomials, relations and functions, linear functions, linear equations, solving linear systems, finance, and trigonometry.

Big Ideas:

Algebra allows us to generalize relationships through abstract thinking.	The meanings of, and connections between, each operation extend to powers and polynomials.	Constant rate of change is an essential attribute of linear relations and has meaning in different representations and contexts.	Trigonometry involves using proportional reasoning to solve indirect measurement problems.	Representing and analyzing situations allows us to notice and wonder about relationships.
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Course Materials:

Students must bring a notebook, pens, pencils, calculator, and a Math 10 workbook.

Class Participation:

Daily engagement and participation are encouraged, as they will be graded using a rubric.

Attendance Policy:

Students are expected to arrive at class on time and ready to engage. If you are absent from the class, please check on Teams for any notes or handouts you missed. You must make up assignments in a timely manner in order to receive full credit.

Honesty Policy:

Work will be assessed for authenticity. Dishonesty will result in consequences, including '0' marks or no credit.

Technology Policy:

All technology, including cell phones, will be used at the discretion of the teacher.

Grading:

Coursework	Value
Participation	5%
Exit Ticket	5%
Quizzes	15%
Worksheets	10%
Projects/Presentations	10%
Unit Tests	15%
Midterm Exam	20%
Final Exam	20%
Total 100%	

** Be on time; stay on-task; organize materials; join class and group discussions; contribute to group work.*