



**SAINT
JOSEPH
PREP**

Ms. Paula Daly
Mathematics Department Chair
paula.daly@saintjosephprep.org
617-254-8383 x1614

PreCalculus

Grade 11/12

This course is an extension of Algebra 2 with emphasis on Trigonometry. All major areas covered in Algebra 2 are reinforced at a greater depth with additional applications aided by the use of technology such as graphing calculators (TI 83 or 84). Other skills include problem solving, critical thinking, and graphing. The areas covered in this course include: the complex number system, equations and inequalities, matrices, determinants, vectors*, partial fractions*, conic sections*, parametric functions*, and the 12 basic functions including logarithmic, exponential, rational, power, and inverse functions. By the end of the course, all students will be expected to have mastered the necessary prerequisite skills for Calculus and should be able to succeed in a Calculus course at either the honors or AP level.

* honors level topics