



**SAINT
JOSEPH
PREP**

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Algebra 2
Grade 10/11

This course will examine equations, including quadratic equations and absolute-value equations, inequalities, graphing, polynomials, radical expressions, and complex numbers. Students are introduced to quadratic functions and relations, linear relations, matrix operations, determinants, functions, word problem strategies, as well as extensive use of the graphing calculator (TI 83 or 84) in conjunction with the material, especially graphing. Other skills include problem solving, critical thinking, and practice with SAT-type questions. Upon completion of this course, students will have demonstrated a readiness for Precalculus at either the honors or college prep level, and possibly, with math-department approval, AP Statistics.