

DEPARTMENT: MATHEMATICS**NAME OF COURSE: ALGEBRA 2 COMMON CORE STRATEGIES****GENERAL DESCRIPTION:**

This is a laboratory course which provides extra support for those students who have had identifiable weakness in mathematics. It is a supplement to the Regents level of Algebra 2 CC Lab in which each of these students is enrolled. The class will address the same topics found in that course. This class will meet on alternate days throughout the year. In the lab, students will be provided with workbooks to supplement the text and help them to prepare for the Algebra 2 CC Lab Regents examination. In addition to the development of skills necessary for the students' progression to higher level courses in this subject area, we seek to cultivate a sense of appreciation of mathematics for its aesthetic value.

MAJOR TOPICS COVERED:

Polynomial Functions Radicals Expressions, Using the Pythagorean Theorem, Exponential and Logarithmic, Determining Transformations of Functions, Sequences and Series, Mathematical Induction, Matrices, Counting and Probability, Binomial Theorem, Conic Sections, Set Theory, Financial Mathematics

REQUIREMENTS:

Students are expected to maintain a set of well-organized notes in a mathematics notebook, complete daily homework assignments, and read selections from texts as assigned. Regular attendance is expected, and students are to make up work missed due to absences. Students should seek extra help during the school day in the mathematics study center or after school with the teacher when necessary. Appropriate behavior, respect for self and others, and participation in classroom activities are expected.

GRADING PROCEDURES:

Students will receive a grade of HP, P, or NC based upon their work in class.