## Algebra 2 CP (90)

## COURSE SYLLABUS

## Second SEMESTER

### Mr. O’Donnell



Room B227

[dodonnell@sharylandisd.org](mailto:dodonnell@sharylandisd.org)

Phone: 271-1600 x4159 . Conference: 8:00-9:30

Tutoring: every morning 7:00-7:45 and after school by appointment



**Course Description**: This course is designed to teach students to be successful mathematical problem solvers. It is a continuation of algebraic and geometric concepts developed in Algebra I and Geometry. Topics covered will be the properties and attributes of functions (linear, quadratic, square root, rational, exponential, logarithmic, and cubic functions) and the multiple representations of all functions mentioned above.

**Course Information**: The student must have a pencil, colored pencils, a pen and spiral a notebook or three ring binder with loose leaf paper. I provide a class set of graphing calculators

**Course Outline**: Instructional days will include checking/reviewing assignments, quizzes, lecture/explanation, activities, writing assignments and individual practice/questions/feedback.

**Course Objective**: Students will interpret attributes of functions and their inverses. Students will solve systems of equations and inequalities. They will learn properties and apply matrices to systems of equations. Students will evaluate the effectiveness of various methods used to solve quadratic and square root equations and inequalities. Students will apply exponential and logarithmic equations to real life application problems. Students will explore attributes and transformations of cubic, cube root, and rational equations.

**Instructional Procedures and Support:** I am available for tutoring before school on a walk-in basis and by appointment after school. It is the student’s responsibility to ask for help when needed and for making the required transportation arrangements. Retesting and late work submission is in accordance with SISD High School Grading Policies.

**Classroom Management Procedures**: Learn as much as you can and be the best student possible. Make the classroom and campus a good place to learn. Backpacks and bags will be placed away from traffic. District and Campus policy are enforced!

**Assessment Plan/Grading System**:

Major assignments 60% and minor assignments 40% of the cycle grade.