**HIGH SCHOOL**

**COURSE DESCRIPTION**

**Student's Name:**

**Grade:** **Credits:** 10 **Semester Course:**

**Full Year Course:** X

**Start Date:** **End Date:**

**Course Title:** Algebra 2

**Course Description**

Algebra 2 at PFA utilizes the textbook by Saxon Publishers. There are more than 120 lessons with

30 tests and the style of curriculum is referred to as a spiral review approach. Each new concept is

revisited in the sequential problem sets at least 4 or 5 more times with greater complexity over the

span of practice. When a student completes the course they will have learned and practiced all the

necessary concepts of an Algebra 2 course and have been introduced to more concepts in

Geometry. Included in new learning will be higher degree polynomial identification and manipulation,

word problems involving varying rates and distances, reinforcement of functions, an introduction to

trigonometry, imaginary numbers, problems with exponents and logarithms and intermediate concepts

in Geometry.

The prerequisite to this course is completion of Algebra 1 and a foundational knowledge of

Geometry. A student must be an expert in solving two step algebraic problems and be comfortable

with manipulating unknowns within expressions and equations. Mastery of operations as applied to

various forms of Real numbers (integers, fractions, decimal numbers etc) is a must.

**Curriculum**

Algebra 2 - An Incremental Development, 3rd Edition

Saxon, John H. Jr.