

# Algebra II

2018-19

## Instructor

Mark Worthington

## Email

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## Office Location & Hours

Holy Family School

## General Information

### Description

The following concepts will be covered. Linear equations, intercepts, graphs, slope, equations of lines and linear systems. Extraction of roots, graphing quadratics and variations, completing the square, factoring, quadratic formula, and quadratic inequalities. Functions, variation, and graphs of functions. Integer exponents, roots/radicals, rational exponents, distance/midpoint formulas, and radical equations. Exponential growth & decay, logarithms, and exponential functions. Polynomial functions and algebraic fractions.

### Expectations and Goals

Students will be expected to attend, participate, and be prepared for class each day. Attendance is a must in order to keep up with class work. Homework will be given on a daily basis and will be for points. Although there will be days students will have time to work on the assignment, it will be necessary for them to complete assignments and study for assessments outside of class.

## Course Materials

### Required Materials

- Pencils
- Notebook specifically for Algebra II
- Scientific calculator

### Required Text

Intermediate Algebra - A Modeling Approach. Author: Katherine Yoshiwara

## Exams and Quizzes

Small quizzes will be given to make sure students understand the concept and have been completing their own home work. Exams - most chapters are broken into two smaller exams instead of one large exam. We will always review before each exam.

## Additional Expectations

The KYOTE Exam consists of two separate college entrance exams for math. Students must pass both exams in order to avoid taking any remedial math classes. Students passing both exams will be eligible to take college algebra. We will work throughout the school to prepare students for both exams.