Algebra 2
2020

Course Description:
Algebra II is a required CCR course in which students will review the fundamental concepts of Algebra I and apply them to typical topics of second year algebra. The content stresses manipulation of algebraic expressions, solution of algebraic statements, and classification of algebraic relations and functions.

Big Ideas:
1. Functions can be represented in a variety of ways, such as graphs, tables, equations, or words. Each representation is particularly useful in certain situations.
2. The numbers and types of solution of equations and inequalities vary predictably, based on the type of equation or inequality.
3. Some important families of functions are developed through transformation of the simplest forms of the function.
4. Mathematical relations & functions can be modeled through multiple representations and analyzed to raise and answer questions.

Essential Learner Outcomes:

ELO #	Essential Learner Outcome Description	Standards
1	Solve equations and inequalities	A2.REI.A
2	Use and interpret functions	A2.IF.A
3	Solve general systems of equations and inequalities	A2.REI.B
4	Use functions to model real world problems	A2.FM.A
5	Use Complex Numbers	A2.NQ.B
6	Perform operations on polynomial and rational expressions	A2.APR.A
7	Create new functions from existing functions	A2.BF.A
8	Extend and use the relationship between rational exponents and radicals	A2.NQ.A
9	Define and use logarithms	A2.SSE.A