Algebra 1 A
Updated 2020

Course Description:
Algebra 1A will provide students with CCR skills in the areas of Number and Operations, Algebraic Relationships and Data and Probability. Algebra 1A is a foundation for Algebra 1B.

Big Ideas:
1. A single quantity may be represented by many different expressions.
2. Solving an equation is the process of rewriting the equation to make what it says about its variable(s) as simple as possible. The numbers and types of solutions vary predictably, based on the type of equation.
3. Useful information about equations and inequalities (including solutions) can be found by analyzing graphs, tables and statistical data.
4. Many real-world mathematical problems can be represented algebraically. These representations can lead to algebraic solutions along with estimations and predictions about future occurrences.

Essential Learner Outcomes:

ELO #	Essential Learner Outcome Description	Standard
1	Perform operations on polynomials	A1.APR.A
2	Understand the concept of a function and use function notation	A1.IF.A
3	Interpret linear functions in terms of the context.	A1.IF.B
4	Analyze linear functions using different representations.	A1.IF.C
5	Build new functions from existing functions (limited to linear).	A1.BF.A
6	Construct and compare linear models and solve problems.	A1.LQE.A
7	Summarize, represent and interpret data.	A1.DS.A

8	Use units to solve problems	A1.NQ.B
9	Create Equations that describe linear relationships	A1.CED.A
10	Understand solving equations is a process, and solve equations and inequalities is one variable	A1.REI.A
11	Represent and solve linear equations and inequalities graphically	A1.REI.C