Algebra 1		
1st Semester Priorities	2nd Semester Priorities	
A1.A-CED.A: Create equations that describe numbers or relationships.	A1.F-IF.A: Understand the concept of a function and use function notation.	
A1.A-REI.B: Solve equations and inequalities in one variable.	A1.F-IF.B: Interpret functions that arise in applications in terms of the context.	
A-SSE.A: Interpret the structure of expressions. A1.S-ID.C: Interpret linear models. A1.F-IF.B: Interpret functions that arise in applications in terms of the context. A1.F-IF.C: Analyze functions using different representations.	A1.F-IF.C: Analyze functions using different representations. A-SSE.A: Interpret the structure of expressions. A1.A-CED.A: Create equations that describe numbers or relationships. A1.A-REI.A: Understand solving equations as a process of reasoning and explain the reasoning. A1.A-REI.B: Solve equations and inequalities in one variable.	
	A1.A-REI.D: Represent and solve equations and inequalities graphically.	
Students will:	Students will	

Geometry/GIC	
1st Semester Priorities	2nd Semester Priorities
Conditional Probability → G.S-CP.A: Use independent and conditional probability to interpret data → G.S-CP.B: Use the rules of probability to compute probabilities of compound events in a uniform probability model Constructions and Rigid Transformations → G.G-CO.B: Understand congruence in terms of rigid motions → G.G-CO.C: Prove geometric theorems → G.G-CO.D: Make geometric constructions Congruence → G.G-CO.B: Understand congruence in terms of rigid motions → G.G-CO.C: Prove geometric theorems → G.G-SRT.A: Understand similarity in terms of similarity transformations Similarity → G.G-CO.C: Prove geometric theorems → G.G-SRT.A: Understand similarity in terms of similarity transformations Similarity → G.G-SRT.B: Prove and apply theorems involving similarity → G.G-SRT.C: Degine trigonometric ratios and solve problems involving right triangles	Right Triangle Trig → G.G-SRT.B: Prove and apply theorems involving similarity → G.G-SRT.C: Degine trigonometric ratios and solve problems involving right triangles Solid Geometry → G.G-MG.A: Apply geometric concepts with modeling situations Coordinate Geometry → G.G-CO.B: Understand congruence in terms of rigid motions → G.G-CO.C: Prove geometric theorems → G.G-SRT.B: Prove and apply theorems involving similarity → G.G-GPE.B: Use coordinates to prove simple geometric theorems algebraically Circles → G.G-SRT.B: Prove and apply theorems involving similarity →

Algebra 2		
1st Semester Priorities	2nd Semester Priorities	
A-SSE.A: Write expressions and equations in equivalent forms to solve problems. A1.A-CED.A: Create equations that describe numbers or relationships and graph functions by representing any constraints A2.A-REI.D: Represent and solve systems of equations and inequalities algebraically and graphically. A2.N-CN.A: Perform arithmetic operations with complex numbers. A2.N-CN.B: Use complex numbers in polynomial identities and equations. A2.A-REI.B Solve quadratic equations and inequalities in one variable. A2.F-IF.B: For a function that models a relationship between two quantities, interpret key features of graphs and tables in terms of the quantities, and sketch graphs showing key features given a verbal description of the relationship. A2.F-BF.A: Build new functions that model a relationship between two quantities using transformations.	A2.F-BF.A: Build a function that models a relationship between two quantities. A2.A-APR.A: Perform arithmetic operations on polynomials. A2.A-APR.B: Understand the relationship between zeros and factors of polynomials. A2.A-REI.A.2: Solve rational and radical equations in one variable and give examples showing how extraneous solutions may arise. A2.F-IF.C: Graph and analyze functions using different representations: numerically. Algebraically and graphically. A2.F-LE.A: Construct and compare linear, quadratic, exponential and logarithmic models and solve problems. A2F-TF.A: Extend the domain of trigonometric functions using the unit circle. S-ID.A: Summarize, represent, and interpret data using the mean and standard deviation.	

Algebra 2		
1st Semester Priorities	2nd Semester Priorities	
PC.F-PREL.A: Identify, graph, analyze functions and perform function operations. PC.F-PREL.B: Analyze, graph, and solve problems using polynomial and rational functions. PC.F-PREL.C: Analyze, graph, and solve problems using exponential and logarithmic functions. PC.F-SS.B: Reason with functions involving matrices.	PC.F-TF.A: Analyze, graph, and solve problems using trigonometric functions. PC.F-TF.B: Use trigonometric identities to solve problems. PC.F-AG.A: Solve problems using properties of analytic geometry including conic sections. PC.F-AG.A: Solve problems using properties of analytic geometry. PC.F-SS.B: Reason with functions involving parameters, vectors, and matrices.	

College Prep Math

Semester Priorities

Solving Equations and Inequalities

- → A1.A-REI.A/A2.A-REI.A: Understand solving equations as a process of reasoning and explain the reasoning
- → A1.A-REI.B: Solve equations and inequalities in one variable
- → A1.A-REI.D/A2.A-REI.D: Represent and solve equations and inequalities graphically
- → A1.S-ID.C: Interpret linear models
- → A1.A-CED:A: Create equations that describe numbers or relationships
- → A1.S-ID.C: Interpret linear models
- → A2.A-SSE.A: Write expressions and equations in equivalent forms to solve problems

Functions and Inverse Functions

- → A1.F-IF.A: Understand the concept of a function and use function notation
- → A1.F-IF.B/A2.F-IF.B: Interpret functions that arise in applications in terms of the context
- → A1.F-IF.C: Analyze functions using different representations
- → A2.F-BF.A: Build a function that models a relationship between two quantities

Exponential Rules

→ A2.N-RN.A: Extend the properties of exponents to rational exponents

Polynomials and Rational Expressions

- → A2.A-APR.A: Perform arithmetic operations on polynomials
- → A2.A-APR.B: Understand the relationship between zeros and factors of polynomials

Occupational Math - Independent Study - Semester Course

1st Semester Priorities

4 Standards will be chosen by student based on job choice To show proficiency

- → Problem Solving
 - ◆ Making Sense of problems and persevere in solving them
 - ◆ Look for and make use of structure
 - ◆ Look for and express regularity in repeated reasoning
- → Modeling and Data Analysis
 - ◆ Reason abstractly and quantitatively
 - Model with mathematics
 - ◆ Use appropriate tools strategically
- → Communicating Reasoning
 - ◆ Construct viable arguments and critique the reasoning of others
 - ◆ Attend to precision

21st Century Skills

- → Meeting deadlines
- → Communicating needs (asking for help, getting clarification, asking for more time, advocating for self)
- → Attendance
- → Contribute to team by sharing knowledge and expertise (helping others)
- → Collaborate effectively
- → Ask appropriate questions in seeking clarification
- → Follow directions