

Connections for Success

Course content emphasis indicated by: ● Major Cluster ▲ Supporting Cluster

ALGEBRA 1	
NUMBER AND QUANTITY - N	FUNCTIONS - F
The Real Number System (N-RN)	Interpreting Functions (F-IF)
▲ A1.N-RN.B Use properties of rational and irrational numbers.	● A1.F-IF.A Understand the concept of a function and use function notation.
Quantities (N-Q)	● A1.F-IF.B Interpret functions that arise in applications in terms of context.
● A1.N-Q.A Reason quantitatively and use units to solve problems.	● A1.F-IF.C Analyze functions using different representations.
ALGEBRA - A	Building Functions (F-BF)
Seeing Structure in Expressions (A-SSE)	● A1.F-BF.A Build a function that models a relationship between two quantities.
● A1.A-SSE.A Interpret the structure of expressions.	▲ A1.F-BF.B Build new functions from existing functions.
● A1.A-SSE.B Write expressions in equivalent forms to solve problems.	Linear, Quadratic, and Exponential Models (F-LE)
Arithmetic with Polynomials and Rational Expressions (A-APR)	● A1.F-LE.A Construct and compare linear, quadratic, and exponential models and solve problems.
▲ A1.A-APR.A Perform arithmetic operations on polynomials.	● A1.F-LE.B Interpret expressions for functions in terms of the situation they model.
● A1.A-APR.B Understand the relationship between zeros and factors of polynomials.	STATISTICS AND PROBABILITY - S
Creating Equations (A-CED)	Interpreting Categorical and Quantitative Data (S-ID)
● A1.A-CED.A Create equations that describe numbers or relationships.	▲ A1.S-ID.A Summarize, represent, and interpret data on a single count or measurement variable.
Reasoning with Equations and Inequalities (A-REI)	▲ A1.S-ID.B Summarize, represent, and interpret data on two categorical and quantitative variables.
● A1.A-REI.A Understand solving equations as a process of reasoning and explain the reasoning.	● A1.S-ID.C Interpret linear models.
▲ A1.A-REI.B Solve equations and inequalities in one variable.	Conditional Probability and the Rules of Probability (S-CP)
▲ A1.A-REI.C Solve systems of equations.	▲ A1.S-CP.A Understand independence and conditional probability and use them to interpret data.
▲ A1.A-REI.D Represent and solve equations and inequalities graphically.	