

Algebra I

Major Content:

- A.SSE.A – Interpret the structure of expressions.
- A.APR.A – Perform arithmetic operations on polynomials.
- A.CED.A – Create equations that describe numbers or relationships.
- A.REI.A – Understand solving equations as a process of reasoning and explain the reasoning.
- A.REI.B – Solve equations and inequalities in one variable.
- A.REI.D – Represent and solve equations and inequalities graphically.
- F.IF.A – Understand the concept of a function and use function notation.
- F.IF.B – Interpret functions that arise in applications in terms of the context.
- S.ID.C – Interpret linear models.

Supporting Content:

- N.Q.A – Reason quantitatively and use units to solve problems.
- A.SEE.B – Write expressions in equivalent forms to solve problems.
- A.APR.B – Understand the relationship between zeros and factors of polynomials.
- F.IF.C – Analyze functions using different representations.
- F.BF.A – Build a function that models a relationship between two quantities.
- F.LE.A – Construct and compare linear, quadratic, and exponential models to solve problems.
- F.LE.B – Interpret expressions for functions in terms of the situation they model.
- S.ID.B – Summarize, represent, and interpret data on two categorical and quantitative variables.

Additional Content:

- N.RN.B – Use properties of rational and irrational numbers.
- A.REI.C – Solve systems of equations.
- F.BF.B – Build new functions from existing functions.
- S.ID.A – Summarize, represent, and interpret data on a single count or measurement variable.