

Algebra I-A and I-B provide an expanded, two-year course sequence designed for students who are not prepared for the academic challenges of the traditional one-year Algebra I curriculum.

Algebra I-B course topics include a review of introductory algebra; measurement; graphing data; linear equations; systems of linear equations; polynomials; factoring of polynomials; factoring of quadratic functions; rational expressions; and radical expressions.

Algebra I-B features ample opportunity for students to hone their computational skills by working through practice problem sets before moving on to formal assessment.

This course is built to state standards.

No required or optional materials.

Length: Two Semesters

Unit 1: Using Logic to Solve Problems

Unit 2: Review of Algebra I-A

Unit 3: Solving Equations and Inequalities

Unit 4: Linear Equations

Unit 5: Exponents and Exponential Functions

Unit 6: Semester 1 Exam

Unit 7: Polynomials

Unit 8: Factoring Polynomials

Unit 9: Quadratic Equations and Functions

Unit 10: Undoing Functions and Moving Them Around

Unit 11: Descriptive Statistics

Unit 12: Data and Mathematical Modeling

Unit 13: Semester 2 Exam