

Duke University Talent Identification Program

Learn on Your Own Algebra II

Syllabus

Chapter 1: Review of Basic Algebra

Chapter 2: Linear Equations

Chapter 3: Systems of Linear Equations and Inequalities

Chapter 4: Matrices and Determinants

Chapter 5: Quadratic Equations and Parabolas

Chapter 6: Functions

Chapter 7: Powers, Roots, and Radicals

Chapter 8: Exponential and Logarithmic Functions

Chapter 9: Polynomials and Polynomial Functions

Chapter 10: Rational Functions

Chapter 11: Quadratic Relations

Chapter 12: Sequences and Series

Chapter 15: Probability and Statistics

Final chapter: Real World Applications