

Common Core Algebra 1  
Syllabus

Chapter 11: Statistics

- Dot Plot
- Histogram
- Measures of Center
- Box & Whisker
- Data Transformation
- Two Way Tables
- Scatter Plots
- Linear Regression

Chapter 4: Functions

- Function Definition
- Domain and Range
- Evaluating Functions

Chapter 1, 2 & 3: Graphing and solving linear equations and inequalities

- Solving multi-step equations
- Literal equations
- Translating word problems
- Interval notation
- Solving multi-step linear inequalities
- Graphing solutions on a number line
- Finding slope and intercepts
- Graphing linear equations/inequalities
- Forms of linear equations
- Linear word problems

Chapter 6: Exponentials

- Exponential Form
- Graphing Exponentials
- Exponential Growth/Decay

Chapter 4 & 6: Sequences

- Arithmetic Sequences
- Geometric Sequences

Chapter 7, 8 & 9: Quadratics

- Graphing Quadratics
- Part of Parabolas
- Factoring
  - Greatest Common Factor
  - Difference of two squares
  - Factoring trinomials
- Solving Quadratics
  - Factoring
  - Quadratic Formula
  - Complete the Square

Chapter 10: Other Types of Functions

- Comparing graphs/tables of values
- Transformations
- Piecewise Functions

Chapter 11

- Correlation Coefficient