

Cocalico School District

Year-at-a-Glance - Curriculum Overview

Department: Math Course: Algebra 1A

Grade Level: 7

Big Ideas

- To learn and explore the 4 main focus areas of 7th grade mathematics: numbers and operations, algebraic concepts, geometry, and measurement, data, and probability
- To learn how to solve multistep equations with variables on both sides
- To learn how to write and solve linear equations

Units of Study	% of Course Time	Textbooks & Supplemental Materials	Assessments	Standards Addressed
• Integers	5%	• ML Algebra 1 Book Chapter 1	• Tests or Quizzes	• CC.2.17.E.1
• Rational Numbers	5%	• ML Algebra 1 Book Chapter 2	• Tests or Quizzes	• CC.2.17.E.1
• Expressions and Equations	20%	• ML Algebra 1 Book Chapter 3	• Tests or Quizzes	• CC.2.2.7.B.1-3 • CC.2.2.HS.D.8-9
• Inequalities	5%	• BI Red Book Chapter 3	• Tests or Quizzes	• CC.2.2.7.B.1-3
• Ratios and Proportions	15%	• BI Red Book Chapter 5	• Tests or Quizzes	• CC.2.1.7.D.1
• Constructions and Scale Drawings	10%	• BI Red Book Chapter 7	• Tests or Quizzes	• CC.2.3.7.A.1-2
• Parallel Lines and transversal	3%	• Supplemental Materials	• Tests or Quizzes	• CC.2.3.7.A.1
• Circles	7%	• BI Red Book Chapter 8	• Tests or Quizzes	• CC.2.3.7.A.1
• Surface Area and Volume	5%	• BI Red Book Chapter 9	• Tests or Quizzes	• CC.2.3.7.A.1-2
• Probability and Statistics	10%	• BI Red Book Chapter 9	• Tests or Quizzes	• CC.2.3.7.A.1-2
• Linear Equations	5%	• ML Algebra 1 Book Chapter 4	• Tests or Quizzes	• CC.2.2.HS.C.1
• Graphing Equations	5%	• ML Algebra 1 Book Chapter 4	• Tests or Quizzes	• CC.2.2.HS.C.2
• Percents	5%	• BI Red Book Chapter 6	• Tests or Quizzes	• CC.2.1.7.D.1



Eagle P.A.C.T. Course Connections:

Algebra 1A encourages students to use problem solving skills to analyze and evaluate problems in this course. Students will also need to effectively communicate their thinking and collaborate on problems.