

Cocalico School District

Year-at-a-Glance - Curriculum Overview

Department: Math

Course: Pre-Algebra

Grade Level: 6

Big Ideas

- To learn and explore the 4 main focus areas of 6th grade mathematics: numbers and operations, algebraic concepts, geometry, and measurement, data, and probability
- To learn the operations of integers and rationals

Units of Study	% of Course Time	Textbooks & Supplemental Materials	Assessments	Standards Addressed
• Numerical Expressions and Factors	3%	• Big Ideas Orange Book Chapter 1	• Tests or Quizzes	• CC.2.1.6.E.1-5
• Fractions and Decimals	2%	• Big Ideas Orange Book Chapter 2	• Tests or Quizzes	• CC.2.1.6.E.1-5
• Algebraic Expressions and Properties	10%	• Big Ideas Orange Book Chapter 3	• Tests or Quizzes	• CC.2.2.6.B.1-3
• Areas of Polygons	5%	• Big Ideas Orange Book Chapter 4	• Tests or Quizzes	• CC.2.3.6.A.1
• Ratios and Rates	20%	• Big Ideas Orange Book Chapter 5	• Tests or Quizzes	• CC.2.2.HS.C.1
• Integers on the Coordinate Plane	10%	• Big Ideas Orange Book Chapter 6	• Tests or Quizzes	• CC.2.2.6.B.1-3
• Equations and Inequalities	15%	• Big Ideas Orange Book Chapter 7	• Tests or Quizzes	• CC.2.2.6.B.1-3
• Statistical Measures	10%	• Big Ideas Orange Book Chapter 9	• Tests or Quizzes	• CC.2.4.6.B.1
• Data Displays	10%	• Big Ideas Orange Book Chapter 10	• Tests or Quizzes	• CC.2.4.6.B.1
• Surface Area and Volume	5%	• Big Ideas Orange Book Chapter 8	• Tests or Quizzes	• CC.2.3.6.A.1
• Integers	5%	• Big Ideas Orange Book Chapter 11	• Tests or Quizzes	• CC.2.17.E.1
• Rationals	5%	• Big Ideas Orange Book Chapter 12	• Tests or Quizzes	• CC.2.17.E.1



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

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