

Department: Math

Course Title: Pre-Algebra/Co-Taught 8

Grade Level: 8th Grade

Length of Course: 1 year

Primary Resources:

PA CC Standards and Eligible Content for Grade 8

McGrawHill Glencoe Math Course 3 Textbook

Study Island

Maneuvering the Middle

Units of Study:

Unit 1 (Daily Activity): Spiral Review Warm-up

Unit 2 (7 Weeks): Real Numbers

Unit 3 (3 Weeks): Equations in One Variable

Unit 4 (4 Weeks): Equations in Two Variables

Unit 5 (2 Weeks): Pythagorean Theorem

Unit 6 (5 Weeks): Functions

Unit 7 (4 Weeks): Transformations

Unit 8 (2 Week): Volume

Unit 9 (3 Weeks): Scatter Plots and Data Analysis

Curriculum-Based Assessments:

Task Cards, Tests, Quizzes, Study Island, Benchmarks, Open-Ended Responses, Multiple Choice Practice

Standardized Assessments:

8th Grade Math PSSA

Description of Course:

The 8th grade math course is meticulously structured to prepare students for success in the 8th Grade Pennsylvania System of School Assessment (PSSA). Throughout this course, students delve into a comprehensive curriculum that covers fundamental mathematical concepts, including algebra, geometry, statistics, and probability. Emphasizing problem-solving strategies and critical thinking skills, students engage in a variety of instructional approaches such as interactive lessons, group activities, and real-world applications. Rigorous assessments, closely aligned with the format and content of the PSSA, are integrated into the curriculum to monitor student progress and identify areas for growth. These assessments not only provide valuable feedback to students but also inform instruction, allowing teachers to tailor learning experiences to meet individual needs. Through a combination of rigorous coursework, targeted instruction, and ongoing assessment, students develop the mathematical proficiency and confidence needed to excel on the 8th Grade PSSA and beyond.