

Department: Math

Course Title: Oiler Lab 6

Grade Level: 6th Grade

Length of Course: 1 year

Primary Resources:

PA CC Standards and Eligible Content for Grade 6

Study Island

Review Calendars

Textbooks - Course 1 McGraw Hill Glencoe Math Volume 1 and 2

Maneuvering the Middle: <https://www.maneuveringthemiddle.com/login/>

PSSA Formula Sheet

Units of Study:

Unit 1 (3 Weeks): Review Calendar intro; Review/Fluency of the Number System (including integers), decimal operations, fraction operations and the Coordinate Plane (4 Quadrants).

Unit 2: (3 Weeks) Decimal Operations

Unit 3: (3 Weeks) Fraction Operations

Unit 4: (3 Weeks) The Number System

Unit 5: (3 Weeks) Ratios

Unit 6: (3 Weeks) Rates and Percents

Unit 7: (2 Weeks) Coordinate Plane

Unit 8: (4 Weeks) Expressions

Unit 9: (4 Weeks) Equations and Inequalities

Unit 10: (4 Weeks) Geometry

Unit 11: (2 Weeks) Data and Statistics

Unit 12: (after PSSAs) Intro Add/Sub/Mult/Div Integers (no calculator) and 2-step equations.

Curriculum-Based Assessments:

Study Island, Benchmarks, Open-Ended Responses, Multiple Choice Practice, Review calendars

Standardized Assessments:

6th Grade Math PSSA

Description of Course:

Supplementary course designed to provide students with ongoing review of essential concepts taught in 6th-grade mathematics curriculum. Through a blend of interactive lessons, digital resources, practice exercises, and collaborative activities, students will deepen their understanding of key 6th grade mathematical topics. The goal is greater exposure and competence in preparation for PSSAs and higher-level math courses. 50% of this course is math instruction, alternating weeks with an ELA teacher who provides the other 50% of content and grading.