

Norwood Public Schools
Grade 6 Math Curriculum Overview

Description

Grade 6 mathematics at the Coakley Middle School is designed to solidify mathematical knowledge and basic skills learned in earlier years. Students arrive at the middle school from five different elementary schools having been taught numerous ideas and techniques. Sixth grade mathematics emphasizes traditional means of computation and prepares students for the rigors of middle school math. Operations with whole numbers, fractions, decimals, proportions, percents, geometry, and basic equation solving are explored. The grade 6 curriculum has been aligned to the common core content standards.

Learning Experiences:

Students will experience learning through many modalities in addition to routine classroom experiences. Technology includes the use of PowerPoint presentations, internet web sites, the Continental Math League Competition and making math relevant to experiences students encounter beyond the math classroom. Additionally, all 6th grade students receive additional math instruction twice per 6 day cycle in CorePlus math classes. These classes enlarge upon the concepts discussed in the main math class and often involve projects and non-routine activities. The standards for mathematical practice are utilized to guide instruction.

Content Outline:

Term 1	Chapter 1	Number Patterns and Algebra
	Chapter 2	Statistics and Graphs
Term 2	Chapter 3	Adding and Subtracting Decimals
	Chapter 4	Multiplying and Dividing Decimals
	Chapter 5	Fractions And Decimals
Term 3	Chapter 6	Adding and Subtracting Fractions
	Chapter 7	Multiplying and Dividing Fractions
	Chapter 8	Algebra: Integers
	Chapter 9	Algebra: Solving Equations
Term 4	Chapter 10	Ratio, Proportions, and Percent
	Chapter 11	Probability
	Chapter 12	Measurement
	Chapter 13	Geometry: Angles and Polygons
	Chapter 14	Geometry: Measuring Area and Volume

Note: Due to MCAS testing in mid-May and the allowances of the new block schedule, the Geometry units are intertwined throughout the year,

Resources Used:

Resources include the textbook, CD and website for the textbook, the EdHelper math website, and other internet resources. Textbook used: Glencoe Mathematics Course 1, 2006, ISBN 0-07-865253-7