

2016-1017 6th Grade Class Syllabus

QTR	EVERYDAY MATH	READING	SOCIAL STUDIES	LANGUAGE ARTS
1 ST	UNIT 1- Collection, Display and Interpretation of data UNIT 2- Operations with whole numbers and decimals	Novel- <u>Number The Stars</u> Novel- <u>The Cay</u> Note: Reading/Lit taught with lessons Vocabulary included	Daily Oral Geog (wks 1-9) Text-“World: Adventures in Time and Place” Geog. Review & Ch. 1-4 Report: Egyptian topics	Daily Oral Lang (wks 1-9) SHURLEY METHOD: 1. Grammar Sentence Patterns 1 & 2 2. Writing 3. Point Paragraph Spelling/Voc. lessons 1-9
2 ND	Unit 3-Variables, Formulas and Graphs Unit 4-Rational Number Uses and Operations Unit 5-Geometry;Congruence, Constructions and Parallel Lines	Novel- <u>The Giver</u> Novel- <u>A Christmas Carol</u>	Daily Oral Geog. (wks 10-18) Text-Chapters 5-9 Report: Costume Greek or Roman God or Goddesses	Daily Oral Lang (wks 10-18) SHURLEY METHOD: 1. Grammar Sentence Patterns 2 & 3 2. Writing (basic essay form) Spell/Voc. Lessons 10-18
3 RD	Unit 6-Number Systems and Algebra Concepts Unit 7-Probability and Discrete Mathematics Unit 8-Rates and Ratios	Novel- <u>The Bronze Bow</u> Novel- <u>Where the Red Fern Grows</u>	Daily Oral Geog. (wks 19-27) Text-Chapters 10-14 Project: None	Daily Oral Lang (wks 19-27) SHURLEY METHOD: 1. Grammar Sentence Patterns 3 & 4 2. Expository Writing Spell/Voc. Lessons 19-27
4 TH	Unit 9-More About Variables, Formulas, and Graphs Unit 10-Geometry Topics	Novel- <u>The Hobbit</u> Project-brunch w/ the Hobbit 1. Costumes 2. Poetry-Magic-Scene Reenact	Daily Oral Geog. (wks 28-36) Text- Chapters 15-19 Project: None	Daily Oral Lang (wks 28-36) SHURLEY METHOD: 1. Grammar Sentence Pattern 5 2. Writing Variations on Exp. Spell/Voc. Lessons 28-36

In *Everyday Mathematics*, students develop a broad background by learning concepts and skills in these six content strands. The sixth grade program emphasizes the following content.

Number and Numeration

Recognizing place value in whole numbers and decimals; using exponential and scientific notation; finding factors and multiples; converting between fractions, decimals and percents; ordering positive and negative numbers

Operations and Computation

Solving problems and involving whole numbers, fractions, decimals, and positive and negative numbers; applying properties of addition, subtraction, multiplication, and division

Data and Chance

Collecting, organizing, displaying, and analyzing data, identifying and comparing landmarks of data sets (mean, median, mode, and range); using probability to represent and predict outcomes and analyze chance

Measurement and Reference Frames

Measuring using metric and U.S. customary units; using formulas to calculate area, circumference, and volume; naming and plotting points on a coordinate grid

Geometry

Measuring and drawing angles; understanding properties of angles; identifying and modeling similar and congruent figures; constructing figures with a compass and straightedge; drawing to scale; exploring transformations of geometric shapes; experimenting with modern geometric ideas.

Patterns, Functions, and Algebra

Creating and extending numerical patterns; representing and analyzing functions; manipulating algebraic expressions; solving equations and inequalities; working with Venn diagrams; applying algebraic properties; working with ratios and proportions.