

Reasoning Through Language Arts

Unit 1: The Reading Process

- Lesson 1 – What is Reading?
- Lesson 2 – Pre-Reading
- Lesson 3 – During Reading
- Lesson 4 – After Reading

Unit 2: Vocabulary and Word Skills

- Lesson 1 – Understanding Word Parts
- Lesson 2 – Vocabulary in Context
- Lesson 3 – Confused Pairs
- Lesson 4 – Learning Vocabulary

Unit 3: Reading Comprehension Skills

- Lesson 1 – Main Ideas
- Lesson 2 – Details
- Lesson 3 – Inferences

Unit 4: Patterns of Organization

- Lesson 1 – Fact and Opinion
- Lesson 2 – Cause and Effect & Compare and Contrast
- Lesson 3 – Time Order, Narrative Process
- Lesson 4 – Classification, Description and Listing of Examples

Unit 5: Purpose and Tone

- Lesson 1 – Purpose and Tone
- Lesson 2 – Informative Reading
- Lesson 3 – Reading for Pleasure

Unit 6: Graphics and Electronic Texts

- Lesson 1 – Reading Graphics with Understanding
- Lesson 2 – Reading Electronic Texts

Unit 7: The Writing Process

- Lesson 1 – Paragraphs and Sentences
- Lesson 2 – Patterns of Organization
- Lesson 3 – The Writing Process
- Lesson 4 – Introduction to Referencing Materials

Mathematics

Unit 1: Introduction to Real Numbers

- Lesson 1 – Integers
- Lesson 2 – Addition with Integers
- Lesson 3 – Subtraction with Integers
- Lesson 4 – Adding and Subtracting Signed Numbers
- Lesson 5 – Multiplication, Division and Order of Operations with Integer Numbers
- Lesson 6 – Multiplication, Division and Order of Operations with Rational Numbers

Unit 2: Variables and Algebraic Expressions

- Lesson 1 – Variables and Algebraic Expressions
- Lesson 2 – Combining Like Terms and Simplifying Expressions
- Lesson 3 – Solving Algebraic Equations Using the Addition and Subtraction Principle
- Lesson 4 – Solving Algebraic Equations Using the Multiplication Principle
- Lesson 5 – Solving Algebraic Equations Using the Multiplication and Addition Principle
- Lesson 6 – Solving Algebraic Equations with Fractions and Decimals
- Lesson 7 – Translating and Word Problems
- Lesson 8 – Solving Linear Equations
- Lesson 9 – Solving Linear Equations Which Have the Variable on Both Sides
- Lesson 10 – Solving Literal Equations
- Lesson 11 – Use Linear Equations to Solve Word Problems
- Lesson 12 – Probability, Combinations, and Permutations

Unit 3: Introduction to Geometry

- Lesson 1 – Points, Lines, Planes, and Angles
- Lesson 2 – Classifying Triangles and the Pythagorean Theorem
- Lesson 3 – Classifying Quadrilaterals
- Lesson 4 – Circles
- Lesson 5 – Perimeter and Area of Polygons
- Lesson 6 – Volume

Unit 4: Linear Inequalities in One Variable

- Lesson 1 – Set Notation, Interval Notation, and Terminology
- Lesson 2 – Solve and Graph Single Linear Inequalities
- Lesson 3 – Solve and Graph Compound Linear Inequalities in One Variable
- Lesson 4 – Solve Linear Equations and Inequalities Containing Absolute Value

Unit 5: Linear Functions

- Lesson 1 – Introduction to Graphing
- Lesson 2 – Representing, Displaying, and Interpreting Data in Graphics
- Lesson 3 – Graphing Linear Functions Using a Table of Values
- Lesson 4 – Graphing Horizontal and Vertical Lines
- Lesson 5 – Graphing Linear Functions Using Intercepts
- Lesson 6 – Rate of Change – Understanding Slope in Context
- Lesson 7 – Slope of a Line
- Lesson 8 – Equations of Lines (Slope-Intercept and Point-Slope Form)
- Lesson 9 – Graphing Linear Functions in Slope-Intercept Form
- Lesson 10 – Applications of Linear Functions
- Lesson 11 – Write the Equation of a Line Perpendicular or Parallel to a Given Line
- Lesson 12 – Graph Linear Inequalities in Two Variable

Unit 6: Polynomials and Factoring

- Lesson 1 – Introduction to Polynomials
- Lesson 2 – Addition and Subtraction in Polynomials
- Lesson 3 – Multiplication of Polynomials
- Lesson 4 – Division of Polynomials
- Lesson 5 – Factoring by Greatest Common Factor and Grouping
- Lesson 6 – Factoring Differences of Squares
- Lesson 7 – Factoring Trinomials
- Lesson 8 – Factoring Sum and Difference of Cubes
- Lesson 9 – Solving Equations by Factoring
- Lesson 10 – Applications: Word Problems
- Lesson 11 – Equations in Quadratic Form

Unit 7: Rational Expressions

- Lesson 1 – Simplifying Rational Expressions and Determining Excluded Values
- Lesson 2 – Multiplication and Division of Rational Expressions
- Lesson 3 – Addition and Subtraction of Rational Expressions
- Lesson 4 – Perform Operations with Complex Fractions
- Lesson 5 – Solve Equations with Rational Expressions
- Lesson 6 – Rational Exponents
- Lesson 7 – Applications: Word Problems

Science

Unit 1: Scientific Methods and Technology

- Lesson 1 – Science as Inquiry
- Lesson 2 – Science and Technology

Unit 2: Life Science

- Lesson 1 – The Human Body
- Lesson 2 – The Cell
- Lesson 3 – Molecular Basis of Heredity
- Lesson 4 – Understanding Evolution
- Lesson 5 – Form and Function
- Lesson 6 – Interdependence of Organisms
- Lesson 7 – Behavior of Organisms

Unit 3: Physical Science

- Lesson 1 – Structure and Properties of Matter
- Lesson 2 – Chemical Reactions
- Lesson 3 – Motion and Forces
- Lesson 4 – Systems, Order and Organization
- Lesson 5 – Interactions of Energy and Matter

Unit 4: Earth and Space Science

- Lesson 1 – Energy in the Earth System
- Lesson 2 – Evolution of the Earth System
- Lesson 3 – Origin and Evolution of the Universe
- Lesson 4 – Preservation of the Earth and its Resources

Social Studies

Unit 1: Civics and Government

- Lesson 1 – Modern and Historical Governments
- Lesson 2 – American Constitutional Democracy
- Lesson 3 – Structure and Design of United States Government
- Lesson 4 – Political Parties, Campaigns, Elections, Electoral Process, and Contemporary Public Policy

Unit 2: United States History

- Lesson 1 – Revolutionary and Early Republic Periods
- Lesson 2 – Civil War and Reconstruction
- Lesson 3 – Civil Rights
- Lesson 4 – A World at War
- Lesson 5 – The Cold War and Foreign Policy Since 9/11

Unit 3: Economics

- Lesson 1 – Fundamental Economic Concepts
- Lesson 2 – Microeconomics and Macroeconomics
- Lesson 3 – Key Economic Events Shaping American Government and Policies
- Lesson 4 – Consumer Education

Unit 4: Geography and the World

- Lesson 1 – Development of Classical Civilizations
- Lesson 2 – Relationship Between the Environment and Societal Development
- Lesson 3 – Borders Between People and Nations

Basic Writing

Unit 1: Sentence Structure

- Lesson 1 – Identifying and Using Parts of Speech
- Lesson 2 – Punctuation
- Lesson 3 – Understanding Sentence Structure
- Lesson 4 – Combining Sentences
- Lesson 5 – Errors in Grammar

Unit 2: Paragraph Writing

- Lesson 1 – Introduction to the Writing Process
- Lesson 2 – Sentences and Paragraphs
- Lesson 3 – Patterns of Development Part I
- Lesson 4 – Patterns of Development Part II

Unit 3: Effective Sentences

- Lesson 1 – Word Choice
- Lesson 2 – Sentence Variety
- Lesson 3 – Sentence Clarity
- Lesson 4 – Revising and Editing

Unit 4: Introduction to Referencing Materials

- Lesson 1 – Gathering Information and Citing Resources
- Lesson 2 – Summarizing, Paraphrasing, and Quoting

Unit 5: Essay Writing

- Lesson 1 – The Writing Process
- Lesson 2 – Essay Development
- Lesson 3 – Writing Strategies

Basic Math

Unit 1: Whole Numbers – Place Value, Rounding and Estimating

- Lesson 1 – Place Value, Rounding, and Estimating
- Lesson 2 – Whole Numbers – Addition, Subtraction, Multiplication and Division
- Lesson 3 – Mean, Median, Mode and Range
- Lesson 4 – Exponents
- Lesson 5 – Order of Operations
- Lesson 6 – Prime Numbers
- Lesson 7 – Prime Factorization
- Lesson 8 – Prime Numbers and Least Common Multiples
- Lesson 9 – Problem Solving

Unit 2: Fractions and Mixed Numbers

- Lesson 1 – Introduction to Fractions
- Lesson 2 – Multiplication with Fractions
- Lesson 3 – Dividing Fractions
- Lesson 4 – Adding Fractions
- Lesson 5 – Subtraction with Fractions
- Lesson 6 – Mixed Numbers
- Lesson 7 – Multiplying and Dividing with Mixed Numbers
- Lesson 8 – Adding and Subtracting Mixed Numbers

Unit 3: Decimals

- Lesson 1 – Decimal Numbers
- Lesson 2 – Addition and Subtraction with Decimal Numbers
- Lesson 3 – Multiplication and Division with Decimal Numbers
- Lesson 4 – Introduction to Decimals, Fractions, and Percentages

Unit 4: Ratios and Proportions

- Lesson 1 – Ratio and Price Per Unit
- Lesson 2 – Ratios and Proportions
- Lesson 3 – Finding the Unknown Term in Proportions
- Lesson 4 – Problem Solving with Proportions
- Lesson 5 – Proportions in Geometry

Unit 5: Percents

- Lesson 1 – Decimals and Percentages
- Lesson 2 – Fractions and Percentages
- Lesson 3 – Applications with Percentages
- Lesson 4 – Simple Interest
- Lesson 5 – Percent of Increase and Percent of Decrease