



Modularized Content

Ensure student success with Edmentum's modularized content from Plato Courseware

In today's world, education and training make an essential difference in a learner's ability to successfully meet their academic and career goals. Edmentum Adult + HigherEd provides proven online curriculum, personalized instruction, and assessments to prepare learners for higher education and workplace success. Our solutions enhance the learning process with the quality, flexibility, interactivity, and online access that are vital to prepare learners for the next step in their career or education.

- Our portfolio of diagnostic and formative assessments, coupled with supplemental and modularized content set your learners up for success.
- Plato Courseware helps learners progress by providing pretests in each course unit that exempt learners from coursework they've already mastered so they can focus on the objectives they need assistance with.
- Educators can easily search for content from nearly 1,000 reading, writing, and math modules by instructional objective and subject area.
- Plato Courseware can be used to customize courses and instruction to address areas of deficit, and learners can focus on mastering their specific skill gaps with targeted content.

Math Module Content

Unit 1: Whole Numbers

Understanding Whole Numbers: 0 through 10
Greater Than, Less Than, Equal To
Ordinal Numbers: First through Tenth
Understanding Place Value: Ones and Tens
Comparing Whole Numbers: 10 through 99
Understanding Place Value: Hundreds
Understanding Place Value: Thousands
Reading and Writing Numbers in Word Form
Understanding Place Value: Millions, Billions,
and Beyond
Representing Millions and Billions

Unit 2: Addition with Whole Numbers

Understanding Addition
Understanding Addition: Number Line and
Hundreds Chart
Finding the Missing Number in Addition
Adding 0 through 2: Addition Basic Facts
Adding 3 through 9: Addition Basic Facts
Adding Two 2-Digit Numbers: Sums Less
Than 100
Adding Three or Four Numbers
Adding Two 2-Digit Numbers:
Sums Greater Than 99
Adding Multi-Digit Numbers
Addition and Subtraction Fact Families
Checking Subtraction by Addition

Unit 3: Subtraction with Whole Numbers

Understanding Subtraction
Understanding Subtraction: Number Line and
Hundreds Chart
Finding the Missing Number in Subtraction
Subtraction Basic Facts
Subtracting a 1-Digit Number from a
2-Digit Number
Subtracting Two 2-Digit Numbers
Subtracting Multi-Digit Numbers with
Regrouping
Subtracting Multi-Digit Numbers with
Consecutive Regrouping
Subtracting across Zeros
Solving Addition and Subtraction
Story Problems

Unit 4: Multiplication with Whole Numbers

Understanding Multiplication as
Repeated Addition
Understanding Multiplication as an Array
Finding the Missing Number in Multiplication
Identifying Multiples
Finding Common Multiples and the Least
Common Multiple
Multiplying by 0 through 5:
Multiplication Basic Facts

Multiplying by 6 through 10:
Multiplication Basic Facts
Multiplying a 2-Digit Number by a
1-Digit Number
Multiplying by a Multiple of 10 or 100
Multiplying a 3-Digit Number by a
1-Digit Number
Multiplying a Multiple of 10 by a Multiple of 10
Multiplying a 2-Digit Number by a
2-Digit Number
Solving Multiplication Story Problems

Unit 5: Division with Whole Numbers

Understanding Division as Repeated
Subtraction
Understanding Division as Fair Sharing
Multiplication and Division Fact Families
Division Basic Facts
Dividing by a 1-Digit Number
Dividing by a 2-Digit Number
Dividing Multiples of 100
Writing a Quotient as a Mixed Number
Solving Division Story Problems

Unit 6: Number Properties with Whole Numbers

Using the Identity Property of Addition
Using the Commutative Property of Addition
Using the Associative Property of Addition
Using the Identity Property of Multiplication
Using the Commutative Property of
Multiplication
Using the Associative Property of Multiplication
Using the Distributive Property of Multiplication
over Addition

Unit 7: Mathematics Review

Using a Calculator
Using a Calculator: Exploration
Using a Scientific Calculator
Solving Addition and Subtraction
Story Problems
Solving Multiplication Story Problems
Solving Division Story Problems
Solving Fraction Story Problems
Solving Decimal Story Problems
Relating Decimals, Fractions, and
Mixed Numbers
Relating Fractions, Decimals, and Percents
Finding a Percent of a Whole Number
Finding a Percent of a Decimal Number
Solving Ratio, Proportion, and Percent
Story Problems

Unit 8: Understanding Fractions

Understanding Fractions: Equal Parts of
an Object

Understanding Fractions:
Equal Parts of a Collection
Fraction Notation:
Numerator and Denominator
Proper Fractions and Improper Fractions
Renaming Improper Fractions as Whole
or Mixed Numbers
Finding Equivalent Fractions
Simplifying Fractions
Working with Common Denominators
and the Least Common Denominator
Comparing Fractions
Ordering Fractions
Renaming Mixed Numbers as
Improper Fractions

Unit 9: Fractions Operations

Adding and Subtracting Fractions:
Like Denominators
Adding and Subtracting Fractions:
Unlike Denominators
Adding Mixed Numbers
Subtracting Mixed Numbers:
Like Denominators
Subtracting Mixed Numbers:
Unlike Denominators
Multiplying Two Fractions
Multiplying Whole Numbers and
Mixed Numbers
Dividing a Fraction by a Fraction
Dividing Fractions, Whole Numbers, and
Mixed Numbers
Finding the Reciprocal
Solving Fraction Story Problems
Dividing Fractions (Pre-Alg A)

Unit 10: Advanced Fractions (Algebra)

Multiplying Common Fractions (Alg1.1)
Adding and Subtracting Fractions (Alg1.1)
Adding and Subtracting Mixed Numbers
(Alg1.1)
Dividing Fractions (Alg1.1)
Multiplying and Dividing Mixed Numbers
(Alg1.1)
Adding Fractions (Alg1.2)
Subtracting Fractions (Alg1.2)
Multiplicative Inverse of a Fraction (Alg1.2)
Product of Fractions (Alg1.2)
Quotient of Fractions (Alg1.2)

Unit 11: Decimals

Understanding Decimals: Tenths
Understanding Decimal Place Value:
Tenths and Hundredths
Understanding Decimal Place Value:
Thousandths and Ten-Thousandths
Relating Decimals, Fractions, and
Mixed Numbers
Comparing and Ordering Decimals
Adding and Subtracting Decimals
Multiplying Decimals
Multiplying Decimals by 10 or 100
Dividing Decimals
Dividing a 2-Digit Number by 10 or 100
Renaming a Fraction as a Decimal
Rounding Decimals
Solving Decimal Story Problems
Mental Math with Whole Numbers and
Decimals (Pre-Alg A)
Mental Math with Whole Numbers and
Decimals (Alg1.1)

Unit 12: Percent

Understanding Percent
Relating Fractions, Decimals, and Percents
Finding a Percent of a Whole Number
Finding a Percent of a Decimal Number
Solving Problems with Percents (Pre-Alg A)
Mental Math with Fractions and Percents
(Pre-Alg A)
Visualizing Percents Less than 1% (Alg1.1)
Converting Percents Less than 1% to Decimals
(Alg1.1)
Converting a Decimal to a Fraction of a Percent
(Alg1.1)
Finding the Amount with Percents Less than 1%
(Alg1.1)
Visualizing Percents Greater than 100% (Alg1.1)
Converting Percents Greater than 100% to
Decimals (Alg1.1)
Converting a Number Greater than 1 to a
Percent (Alg1.1)
Mental Math with Fractions and Percents
(Alg1.1)

Unit 13: Reading Charts and Graphs

Reading Graphical Data
Reading Pie Charts
Reading Line Graphs
Reading Bar Graphs
Reading Data in Tables
Introduction to Flowcharts
Reading Complex Charts and Graphs
Reading Histograms
Reading Complex Tables
Reading Complex Flowcharts

Unit 14: Computing and Constructing Graphs and Charts

Graphing and Charting
Tables
Using Pictographs
Using Line Graphs
Using Bar Graphs
Using Pie Charts
Using Histograms
Constructing Line Graphs
Constructing Pie Charts
Constructing Bar Graphs
Constructing Histograms
Selecting Graphs and Charts

Unit 15: Control Charts

Setting the Stage for Data Collection
Understanding Cause and Effect Diagrams
Assuring Accuracy
Using Data Collection Tools
Control Chart Basics
Selecting and Completing Control Charts
Using Control Charts

Unit 16: Basic Algebra and Operations with Integers

Estimation Basics (Pre-Alg A)
Estimation by Clustering (Pre-Alg A)
Absolute Value of a Number (Pre-Alg B)
Scientific Notation
Word Problems with Integers
Odd and Even Numbers (Alg1.1)
Prime and Composite Numbers (Alg1.1)
The Additive Inverse of Integers (Pre-Alg B)
Adding Integers (Pre-Alg B)
Subtracting Integers (Pre-Alg B)
Multiplying Integers (Pre-Alg B)
Dividing Integers (Pre-Alg B)
Integer Sum (Alg1.2)
Integer Difference (Alg1.2)
Integer Product (Alg1.2)
Integer Quotient (Alg1.2)

Unit 17: Simple Expressions

Order of Operations (Pre-Alg B)
Expressions in 1 Variable (Pre-Alg B)
Expressions in 2 or More Variables (Pre-Alg B)
Properties of Real Numbers
Using Basic Number Ideas (Alg1.1)

Unit 18: Monomials and Binomials

Adding Monomials (Pre-Alg B)
Subtracting Monomials (Pre-Alg B)
Adding Binomials and Monomials (Pre-Alg B)
Subtracting Binomials and Monomials
(Pre-Alg B)
Monomial Sum (Alg1.2)
Monomial Difference (Alg1.2)
Monomial Product (Alg1.2)
Monomial Quotient (Alg1.2)

Finding Powers and Roots of Monomials
Additive Inverse of a Monomial (Alg1.2)

Unit 19: Ratio and Proportion

Understanding Ratio
Equivalent Ratios
Understanding Proportion
Solving Proportions
Solving Ratio, Proportion, and Percent
Story Problems
Understanding Ratio (Pre-Alg A)
Understanding Proportion (Pre-Alg A)
Scaling and Proportion, Part 1 (Pre-Alg A)
Scaling and Proportion, Part 2 (Pre-Alg A)
Proportionality
A Sense of Proportion
Not Everything Is Created Equal

Unit 20: Measurement and Unit Conversions

Measuring Length: Metric Units
Measuring Length: Customary Units
Telling Time to the Minute
Measuring Temperature: Fahrenheit
Measuring Temperature: Celsius
Solving Measurement Story Problems
Length
Capacity
Weight and Mass
Converting between Celsius and Fahrenheit
Temperatures
Metric Measurement
Using Measurement

Unit 21: Equations

Simple Equations in 1 Variable:
Using Inspection (Pre-Alg B)
Simple Equations in 1 Variable:
Isolating the Variable (Pre-Alg B)
Linear Equations in 1 Variable:
Solving by Inspection (Pre-Alg B)
Linear Equations in 1 Variable:
Isolating the Variable (Pre-Alg B)
More Difficult Linear Equations in 1
Variable (Pre-Alg B)
Literal Equations (Pre-Alg B)
Adapting and Using Formulas (Pre-Alg B)
Using Linear Equations to Solve
Problems (Pre-Alg B)
Solving Problems with Linear Equations
in 1 Variable (Pre-Alg B)
Patterns and Sequences (Pre-Alg B)
Determining the Truth Value of a Statement
(Pre-Alg B)
Graphing Linear Equations in 2 Variables
(Alg1.1)
Solving and Graphing Equations in 1
Variable (Alg1.2)
Solving Problems With Linear Equations in 1
Variable (Alg1.2)
Graphing a Linear Equation in 2 Variables
(Alg2.1)

Unit 22: Inequalities and Absolute Value

Linear Inequalities in 1 Variable,
Part 1 (Alg1.1)
Linear Inequalities in 1 Variable,
Part 2 (Alg1.1)
More Difficult Linear Inequalities in 1
Variable (Alg1.1)
Graphing Linear Inequalities in 2 Variables
Linear Inequalities in 1 Variable,
Part 1 (Alg1.2)
Linear Inequalities in 1 Variable,
Part 2 (Alg1.2)
Linear Inequalities in 1 Variable,
Part 3 (Alg1.2)
Absolute Value of a Number (Alg1.2)
Equations with Absolute Values (Alg1.2)
Graphing a Solution Set on a Number
Line (Alg1.2)

Unit 23: Advanced Inequalities and Absolute Value

Solving Absolute Value Inequalities
Review: Equations and Inequalities (Alg1.2)
Graphing a Linear Inequality in 2 Variables
(Alg2.1)
Evaluating Expressions with Absolute Value
(Alg2.2)
Solving Absolute Value Equations and
Inequalities
Absolute Value, Inequalities, and Interval
Notation (Alg2.2)
Graphing Linear Inequalities in 1 Variable
(Alg2.2)
Graphing with Restrictions on the Variable
(Alg2.2)
Graphing Solution Sets of Associated
Inequalities (Alg2.2)

Unit 24: Basic Graphing

Coordinate Plane (Pre-Alg B)
Ordered Pairs as Solutions of Linear
Equations (Pre-Alg B)
Linear Patterns (Pre-Alg B)
Identifying Points on a Coordinate Plane
(Alg1.1)

Unit 25: Slope and Intercepts

Graphs, Slopes, and y-Intercepts (Pre-Alg B)
Equations, Graphs, Slopes, and y-Intercepts
(Pre-Alg B)
Slope of a Line from 2 Points (Pre-Alg B)
Finding the Slope and y-Intercept from an
Equation (Pre-Alg B)
Interpreting Graphs to Solve Problems
(Pre-Alg B)
Finding x- and y-intercepts of a
Linear Equation
Slope-Intercept Form
Point-Slope Form
Parallel and Perpendicular Lines and
Their Slopes
Interpreting Graphs to Solve Problems
(Alg1.1)

Unit 26: Advanced Coordinate Plane, Slope, and Intercepts

Graphing Ordered Pairs (Alg2.1)
Solutions of Linear Equations as Ordered
Pairs (Alg2.1)
Slope of a Line from 2 Points (Alg2.1)
The y-Intercept of a Line (Alg2.1)
Using the Slope and y-Intercept to Graph a
Line (Alg2.1)
Finding the Slope and y-Intercept from an
Equation (Alg2.1)
Writing Equations in Slope-Intercept
Form (Alg2.1)
Identifying Graphs from Their Equations
(Alg2.1)
Parallel Lines and Their Slopes (Alg2.1)
Perpendicular Lines and Their Slopes
(Alg2.1)
Equations of Parallel or Perpendicular
Lines (Alg2.1)
Review: Graphs (Alg2.1)
Equation of a Line Given a Point and
Parallel Line (Alg2.2)
Equation of a Line Given a Point and
Perpendicular Line (Alg2.2)
Calculating the Slope of a Line (Alg2.2)
Point-Slope and Slope-Intercept Forms of
Equations (Alg2.2)

Unit 27: Basic Geometry

Lines, Parts of Lines, and Angles
Lines in a Plane
Introduction to Triangles
Introduction to Quadrilaterals
Introduction to Circles
Exploring Congruent Figures
Exploring Similar Figures
Line Symmetry in Plane Figures
Introduction to Solid Figures

Unit 28: Basic Geometry 2

Special Angles, Part 1
Special Angles, Part 2
Circles, Arcs, and Circumferences
Using Geometry
Postulates and Theorems
Points, Lines, and Planes
Intersecting Lines and Planes
Congruent Angles
Supplementary and Complementary Angles
Two of a Kind

Unit 29: Triangles and Lines

Congruent Triangles, Part 1
Congruent Triangles, Part 2
Congruent Triangle Problems
Angles in Pairs
Transitive Properties of Lines
The Sum of the Angles in a Triangle
Solving Right Triangle Problems
30- to 60-Degree Right Triangles
Special Triangles and Problems with
Special Triangles

The Pythagorean Theorem 1
The Pythagorean Theorem 2

Unit 30: Polygons

Introduction to Polygons
Summing Up Angles
Angles in Regular Polygons
Parallelograms, Part 1
Parallelograms, Part 2
Rhombuses and Trapezoids
Finding the Perimeter of Polygons

Unit 31: Symmetry, Transformations

Symmetry
Translations
Rotations
Tessellations

Unit 32: Area

Area: Counting Square Units
Calculating the Area of Rectangles
and Squares
Calculating the Area of Triangles
Perimeter and Area of Compound Shapes
Area, Part 1
Area, Part 2
Area of Right Triangles and Parallelograms
Area of Any Triangle
Area of Trapezoids and Rhombuses
The Area of Circles

Unit 33: Circles

Radius, Diameter, Circumference, and Pi
Changing Polygons and Circles
Theorems Related to Circles
Tangents
Arcs and Chords
Inscribed Angles
Circles and Angles
Circles and Segments
Measuring Circumference
The Length of Arcs

Unit 34: Solids and Coordinate Geometry

Calculating the Volume of a
Rectangular Prism
Surface Area of Prisms, Pyramids,
and Cylinders
Using the Distance Formula
Using the Midpoint Formula
Volume
Prisms
Area and Volume of Cylinders
Area and Volume of Cones
The Distance Formula
Slope
Coordinates in Three Dimensions

Unit 35: Statistics and Probability

Interpreting Bar, Line, and Circle Graphs
and Scatter Plots
Conducting a Survey
Creating Bar, Line, and Circle Graphs and
Scatter Plots
Mean, Median, and Mode (Pre-Alg B)

More on Central Tendencies
Box-and-Whisker Plots
Analyzing the Validity of Data
Determining the Probability of an Event (Pre-Alg B)
Chance Experiments and Probability (Pre-Alg B)
Multiplication Principle of Counting (Pre-Alg B)
Solving Problems with Mean, Median, and Mode (Alg1.1)
Creating and Interpreting Stem-and-Leaf Plots
Creating and Interpreting Box-and-Whisker Plots
Creating and Interpreting Circle Graphs
Probability and Possible Outcomes (Alg1.1)
Probability of an Event (Alg1.1)
Solving Problems with Probability (Alg1.1)
Estimation Basics (Alg1.1)
Estimation by Clustering (Alg1.1)
Review: Probability (Alg2.1)

Unit 36: Basic Functions

Functions (Alg1.1)
Determining Whether a Relation is a Function
Finding the Domain and Range of a Function
Describing Functions with Equations, Tables, and Graphs (Alg1.1)
Linear Patterns (Alg1.1)

Unit 37: Basic Exponents

Exponents: Exponential Form (Pre-Alg B)
Exponents: Expanded Form (Pre-Alg B)
Exponents: Product Rule (Pre-Alg B)
Exponents: Power Rule (Pre-Alg B)
Exponents: Exponential Form (Alg1.1)
Exponents: Expanded Form (Alg1.1)
Exponents: Product Rule (Alg1.1)
Exponents: Power Rule (Alg1.1)

Unit 38: Advance Exponents

Positive and Negative Exponents (Alg1.2)
Integer Exponents and the Product Rule (Alg1.2)
Integer Exponents and the Quotient Rule (Alg1.2)
Integer Exponents and the Power Rule, Part 1 (Alg1.2)
Integer Exponents and the Power Rule, Part 2 (Alg1.2)
Applying Laws of Exponents to Simplify Expressions
Rules for Exponents and Radicals (Alg2.2)
Applying Rules for Exponents and Radicals (Alg2.2)
Scientific Notation (Alg2.2)

Unit 39: Polynomials

Binomial Sum (Alg1.2)
Additive Inverse of a Binomial (Alg1.2)
Binomial Difference (Alg1.2)
Value of a Polynomial (Alg1.2)

Classifying Polynomials (Alg1.2)
Polynomial Sum (Alg1.2)
Polynomial Difference (Alg1.2)
Product of a Monomial and Polynomial (Alg1.2)
Simplifying Polynomial Expressions (Alg1.2)
Product of Polynomials (Alg1.2)
Quotient of a Monomial and Polynomial (Alg1.2)
Quotient of a Binomial and Polynomial (Alg1.2)
Greatest Common Factors of Monomials (Alg1.2)

Unit 40: Factoring

Monomial Factors of Polynomials (Alg1.2)
Binomial Factors of Polynomials, Part 1 (Alg1.2)
Binomial Factors of Polynomials, Part 2 (Alg1.2)
Factoring the Difference of 2 Squares (Alg1.2)
Factoring Perfect Square Trinomials (Alg1.2)
Factoring Trinomials, Part 1 (Alg1.2)
Factoring Trinomials, Part 2 (Alg1.2)
Review: Polynomials and Factoring (Alg1.2)
Simplifying Algebraic Expressions (Alg2.2)
Multiplying Algebraic Expressions (Alg2.2)
Factoring Algebraic Expressions (Alg2.2)
Factoring Sums and Differences of Perfect Cubes (Alg2.2)
Factoring or Using the Quadratic Formula (Alg2.2)
Dividing Polynomials using Synthetic Division
Simplifying Complex Fractions

Unit 41: Roots and Radicals

Square Roots of Perfect Squares (Pre-Alg B)
Square Roots of Imperfect Squares (Pre-Alg B)
Square Roots of Integers (Alg1.2)
Multiplication Rule for Radicals (Alg1.2)
Division Rule for Radicals (Alg1.2)
Simplifying Square Roots Using Factors
Simplifying Radicals, Part 1 (Alg1.2)
Simplifying Radicals, Part 2 (Alg1.2)
Review: Exponents and Radicals (Alg1.2)
Square Roots of Perfect Squares (Alg1.1)
Square Roots of Imperfect Squares (Alg1.1)
Solving Multi-step Equations Containing Radicals
Solving Equations Containing Radical Expressions
Solving Equations Involving Algebraic Fractions

Unit 42: Quadratic Equations

Special Quadratic Equations, Part 1 (Alg1.1)
Special Quadratic Equations, Part 2 (Alg1.1)
Using Quadratic Equations to Solve Problems (Alg1.1)
Solving Simple Quadratic Equations (Alg1.2)
Solving Quadratic Equations by Factoring, Part 1 (Alg1.2)

Solving Quadratic Equations by Factoring, Part 2 (Alg1.2)
Solving Quadratic Equations by Factoring, Part 3 (Alg1.2)
Quadratic Formula (Alg1.2)
Solving Problems With Quadratic Equations (Alg1.2)

Unit 43: Advanced Functions and Transformations

Defining a Function with Its Rule (Alg2.2)
Finding Values of a Function Using Its Rule (Alg2.2)
Equations and Graphs of Functions, Part 1 (Alg2.2)
Equations and Graphs of Functions, Part 2 (Alg2.2)
Graphing Piecewise Functions
Graphing Absolute Value Functions
Translations and Transformations (Alg2.2)
Functional Values (Alg2.2)
Operations on Functions
Composite Functions (Alg2.2)
Domain Values of Composite Functions (Alg2.2)
Inverse of a Function (Alg2.2)
Determining if a Function Has an Inverse (Alg2.2)
Solving Problems with Linear Functions (Alg2.2)
Solving Problems with Quadratic Functions (Alg2.2)

Unit 44: Rational Expressions

Evaluating Rational Expressions (Alg 2.1)
Restrictions on Rational Expressions (Alg 2.1)
Equivalent Forms of Rational Expressions (Alg 2.1)
Simplifying Rational Expressions (Alg 2.1)
Sum of Rational Expressions, Part 1 (Alg2.1)
Difference of Rational Expressions, Part 1 (Alg2.1)
Product of Rational Expressions (Alg2.1)
Quotient of Rational Expressions (Alg2.1)
Common Denominators of Rational Expressions (Alg2.1)
Sum of Rational Expressions, Part 2 (Alg2.1)
Difference of Rational Expressions, Part 2 (Alg2.1)
Review: Rational Expressions (Alg2.1)
Rational Expressions and Functions
Rationalizing the Denominator in Rational Expressions (Alg2.2)
Rational Expressions: Simplify (Alg2.2)
Rational Expressions:
Add and Subtract (Alg2.2)
Rational Expressions: Multiply and Divide (Alg2.2)

Unit 45: Systems and Matrices

Solving and Graphing Systems of Equations (Alg1.1)
Solving Systems of Linear Inequalities by Graphing

Solving Problems with Systems of Linear Equations (Alg1.1)
Solving Linear Systems Using Substitution
Solving Linear Systems Using Linear Combinations
Solving Linear Systems of Equations: Graphs (Alg2.1)
Classifying Linear Systems: (Alg2.1)
Solving Linear Systems of Inequalities: Graphs (Alg2.1)
Solving Linear Systems of Equations: Substitution (Alg2.1)
Solving Linear Systems of Equations: Addition (Alg2.1)
Solving Linear Systems of Equations: Matrices 1 (Alg2.1)
Solving Linear Systems of Equations: Matrices 2 (Alg2.1)
Solving Linear-Quadratic Systems of Equations
Solving Problems with Linear Systems (Alg2.1)
Review: Linear Systems (Alg2.1)

Unit 46: Exponential and Logarithmic Functions

Properties of Exponential Functions (Alg2.2)
Properties of Logarithmic Functions (Alg2.2)
Recognizing Graphs of Types of Functions (Alg2.2)
Solving Problems: Exponential and Logarithmic (Alg2.2)
Exponential Growth (Alg2.2)
Exponential Decay (Alg2.2)

Unit 47: Sequences and Series and Complex Numbers

Plotting Complex Numbers in the Plane
Adding and Subtracting Complex Numbers
Multiplying and Dividing Complex Numbers
Solve Quadratic Equations in the Complex Number System
Introduction to Sequences and Series
Arithmetic Sequences and Series
Geometric Sequences and Series

Unit 48: Conic Sections

Direct, Inverse, and Joint Variation
Perpendicular Bisector of a Line Segment (Alg2.2)
Distance between 2 Points (Alg2.2)
Distance between a Point and a Line (Alg2.2)
Distance and Circles (Alg2.2)
Parabola and Its Intercepts (Alg2.2)
Parabola and Its Vertex (Alg2.2)
Parabola and Its Coefficients
Ellipse (Alg2.2)
Hyperbola (Alg2.2)
Equations of Ellipses and Hyperbolas (Alg2.2)

Unit 49: Trigonometric Functions

Angles and Their Measures
Trigonometric Functions and the Unit Circle

Problems Involving Right Triangles
Trigonometric Functions
Trigonometric Graphs
Inverse Trigonometric Functions

Unit 50: Trigonometric Identities and Conditional Equations

Basic Trigonometric Identities
Sum, Difference, and Co Function Identities
Double-Angle and Half-Angle Identities
Product-Sum and Sum-Product Identities
Solving Trigonometric Equations
Extended Trigonometry

Unit 51: Applications of Trigonometry

The Law of Sines
The Law of Cosines
Vectors in a Plane
Vectors and Dot Products
Polar Coordinates in Graphs
Complex Numbers and DeMoivre's Theorem

Units 52: Sets

Basic Set Concepts: Elements in a Set (Alg1.2)
Basic Set Concepts: Finite or Infinite (Alg1.2)
Basic Set Concepts: Subsets (Alg1.2)
Basic Set Concepts: Roster and Set-builder Forms (Alg1.2)
Union of Sets (Alg1.2)
Intersection of Sets (Alg1.2)
Review: Fractions and Sets (Alg1.2)

Reading Module Content

Unit 1: Pre-reading or Active Reading Active

Reading Essays

Active Reading Techniques for Short Fiction

Unit 2: Vocabulary

(Including Dictionary, Context Clues, Synonyms, Antonyms, etc.)

Synonyms (ERS)

Antonyms (ERS)

Being a Word Detective (ERS)

Using Context Clues (FRS)

Using Prefix Clues (FRS)

Using the Dictionary (FRS)

Using A Table Of Contents (RFI)

Using Alpha Order To Find Words (RFI)

Using A Glossary (RFI)

Using An Index (RFI)

Which Reference Do You Need? (RFI)

Finding What You Need In A Book (RFI)

Unit 3: Vocabulary II

Using Context Clues to Find Word Meanings (IRS)

Using Prefix Clues to Find Word Meanings (IRS)

Using the Dictionary to Find Word Meanings (IRS)

Which Meaning? (RFI)

Building Your Vocabulary (ARS)

Building Your Social Science Vocabulary

Building Your Literature Vocabulary

Unit 4: Stated Main Idea

Finding Main Ideas 1 (ERS)

Using What You Know (FRS)

Using What you Know to Read Information (FRS)

Identifying the Main Idea 1 (MLA)

Identifying the Main Idea 2 (MLA)

You Have a Message (RFI)

Planning Your Approach to Reports (RFI)

Finding the Resources (ARS)

Unit 5: Implied Main Idea

Finding Main Ideas 2 (ERS)

What Happens Next? (ERS)

Using What You Know to Read More Information (FRS)

Identifying the Main Idea When It Is Implied (MLA)

Unit 6: Supporting Details I

Finding What You Need (ERS)

Asking and Answering Questions about Stories (FRS)

Asking and Answering Questions About Information (FRS)

Asking and Answering Questions about More Information (FRS)

Finding What's Important in Stories (FRS)

Finding What's Important in Information (FRS)

Finding What's Important in More Information (FRS)

Getting the Details (RFI)

Digging For Details (RFI)

Locating The Details (RFI)

Using Two Or More References (RFI)

Unit 7: Supporting Details II

Using a Question/Answer Strategy with Literature

Using a Question/Answer Strategy with Expository Text

Using a Question/Answer Strategy with More Expository Text

Locating What's Important in Literature

Locating What's Important in Expository Text

Locating What's Important in More Expository Text

Asking Questions

Finding Answers

Unit 8: Summarizing and Paraphrasing

Summarizing Stories (FRS)

Summarizing Information (FRS)

Summarizing More Information (FRS)

Summarizing What's Important in Literature

Summarizing What's Important in Expository Text

Summarizing What's Important in More Expository Text

Paraphrasing (RFI)

Summarizing a Report (RFI)

Unit 9: Patterns of Organization

(Time, Spatial, Process, Listing, Classification, Cause and Effect, etc.)

Finding Causes and Effects (ERS)

Working with Order (ERS)

Types of Sequences (RFI)

Following Steps in a Sequence (RFI)

Using If-Then-Else Statements (RFI)

Cause & Effect in Reading Directions (RFI)

More Than One Cause or Effect (RFI)

Cause and Effect in Reports (RFI)

Similarities and Differences in Reports (RFI)

Understanding Logical Relationships 1 (MLA)

Understanding Logical Relationships 2 (MLA)

Chronological and Logical Order (MLA)

Cause and Effect Relationships (MLA)

Compare and Contrast (MLA)

Illustration and Example (MLA)

Unit 10: Purpose and Tone

Why You Received This Letter (RFI)

Tone (MLA)

Style (MLA)

What's a Formal Essay?

What's an Informal Essay?

Unit 11: Inference

Drawing Conclusions (ERS)

Reading Between the Lines in Stories (FRS)

Finding the Right Form (RFI)

Reading Between the Lines in Information (FRS)

Reading Between the Lines in More Information (FRS)

Making Inferences about Literature

Making Inferences about Expository Text

Making Inferences about More Expository Text

Unit 12: Critical Thinking (Including claims, evidence, stereotypes, etc.)

Finding What's Similar and What's Different (ERS)

Finding Facts and Opinions (ERS)

Separating Facts from Opinions (FRS)

Separating More Facts from Opinions (FRS)

Discovering Facts and Opinions (IRS)

Discovering More Facts and Opinions (IRS)

Reading Reports That Make Claims (RFI)

Unit 13: Reading Materials (Textbooks, research works, etc.)

What Should I Do? (RFI)

How To Read A Message (RFI)

What's In A Business Letter (RFI)

Taking Action: Writing in the Workplace (RFI)

A Strategy for Reading Business Letters (RFI)

A Strategy For Reading Ref. Mat. (RFI)

Using Directions With Maps and Floor Plans (RFI)

Using Directions With Diagrams (RFI)

A Strategy for Reading Directions (RFI)

Reading Basic Forms (RFI)

Reading Complex Forms (RFI)

Following Directions on Forms (RFI)

Using Two or More Forms (RFI)

A Strategy for Reading Forms (RFI)

Introduction to Reports (RFI)

A Strategy for Reading Reports (RFI)

Unit 14: Content Area Strategies

Understanding the Social Sciences

A Strategy for Reading Social Sciences

Understanding Literature

A Strategy for Reading Literature

Understanding History

A Strategy for Reading History

Understanding Science

A Strategy for Reading Science

Unit 15: Symbols, Graphics and Visuals

Using Pictures to Help Your Understand Information (FRS)
Using Pictures to Help Your Understand More Information (FRS)
Reading Symbols (RFI)
Using A Key Or Legend (RFI)
Picturing What You Read When You Read Stories (FRS)
Picturing What You Read When You Read Information (FRS)
Using Graphics to Help You Understand Expository Text (IRS)
Using Graphics to Help You Understand More Expository Text
Visualizing When You Read Literature
Visualizing When You Read Expository Text

Unit 16: Reading Fluency, Vocabulary and Comprehension I

Vocabulary and Reading Information 3C
Vocabulary and Reading Information 4E
Vocabulary and Reading Information 5B
Vocabulary and Reading Information 6F
Vocabulary and Reading Expository Text 7D
Vocabulary and Reading Expository Text 8A
Vocabulary and Reading Expository Text 9C
Social Sciences Reading Practice Level 1
Literature Reading Practice Level 1
Reading History Practice Level 1
Reading Science Practice Level 1

Unit 17: Reading Fluency, Vocabulary and Comprehension II

Social Sciences Reading Practice Level 2
Literature Reading Practice Level 2
Reading History Practice Level 2
Reading Science Practice Level 2
Social Sciences Reading Practice Level 3
Literature Reading Practice Level 3
Reading History Practice Level 3
Reading Science Practice Level 3
Social Sciences Reading Practice Level 4
Literature Reading Practice Level 4
Reading History Practice Level 4
Reading Science Practice Level 4
Social Sciences Reading Practice Level 5
Literature Reading Practice Level 5
Reading History Practice Level 5
Reading Science Practice Level 5
Putting It Together

Unit 18: Memorization and Concentration

Reading to Remember

Unit 19: Note Taking and Highlighting

Preparing for Review (ARS)
Taking Notes (WPP)
Documenting Information from Spoken Sources (WPP)

Unit 20: Test Taking

Tracking Your Understanding of Stories (FRS)
Tracking Your Understanding of Information (FRS)
Tracking Your Understanding of More Information (FRS)
Monitoring Your Comprehension of Literature
Monitoring Your Comprehension of Expository Text
Monitoring Your Comprehension of More Expository Text
Doing Your best on Reading Tests

Unit 21: Introduction to Literature

Understanding Plot (MLA)
Implied Meaning of Plot (MLA)
Setting (MLA)
Implied Setting (MLA)
Tone (MLA)
Style (MLA)
Kinds of Writing (MLA)
Characterization (MLA)
What is Formal Essay (MLA)
What is an Informal Essay (MLA)
Biography and Autobiography (MLA)

Unit 22: Introduction to Poetry

Rhyme Scheme (MLA)
Understanding Meter (MLA)
Symbolic Meaning (MLA)
Figurative Language (MLA)
How to Read a Poem (MLA)

Writing Module Content

Unit 1: Verbs

What is a Verb?
Two Kinds of Verbs
Verbs and Tenses
Verbs Review
Recognizing Verbs
Regular Verbs
Irregular Verbs
Confusing Verbs - Intermediate
Adding Missing Forms of "Be" & "Have"
(EWPP)
Using Verbs that Are Irregular in the Past
Tense
Using "Each" and "Every" with Singular
Verbs
Keeping Past Tense Verbs Consistent
Using the Subjunctive Verb Form "Were"

Unit 2: Nouns

Matching Verbs with Subjects (EWPP)
Matching Irregular Verbs with Subjects
(EWPP)
What is a Noun?
Two Kinds of Nouns
Nouns and Verbs and Number
Nouns Review
Nouns, Pronouns, and Gender
Making Nouns and Pronouns Agree in
Sentences
Making Nouns & Pronouns Agree Review
Types of Nouns
How Nouns Are Used
Showing Ownership in Singular Nouns

Unit 3: Pronouns

What is a Pronoun?
Personal Pronouns
Other Pronouns
Pronouns Review
Pronouns and Number
The Pronoun: Replacement for a Noun
How Pronouns are Used
Avoiding Confusing Pronouns
Using "Their" and "His" as Pronouns
Keeping Pronouns Consistent
Choosing Pronoun Forms
Choosing Pronouns in Comparisons
Clarifying Vague Pronouns

Unit 4: Modifiers

Recognizing Adjectives
More About Adjectives
Identifying Adverbs
More About Adverbs
Adjectives and Adverbs Review
Modifiers of Meaning
Knowing When to Use -ly Modifiers

Knowing When Not to Use -ly Modifiers
Using the -ly Form of Modifiers
Avoiding Hyphens with -ly Modifiers

Unit 5: Possessives

How to Form Possessives
Using Possessives
Possessive Pronouns & Adjectives
Showing Ownership in Plural Nouns
Showing Ownership with Possessives

Unit 6: Prepositions and Articles

Learning About Prepositions
Using Articles
Prepositions and Articles Review

Unit 7: Building and Using Sentences

What is a Sentence?
Parts of a Sentence
Identifying Subjects
More About Sentences
Three Kinds of Sentences
Identifying Phrases
Verbal Phrases
Prepositional Phrases
What is a Clause?
More About Phrases
Dependent & Independent Clauses
Different Kinds of Clauses
Phrases and Clauses Review
Starting a Sentence With THERE or HERE

Unit 8: Capitalization

Capital Letters
Proper Nouns and Capitals
Titles and Capital Letters
Capitalization
Capital Letters Review
Capitalizing Titles of People (EWPP)
Capitalizing Names of Places and Events
(EWPP)
Capitalizing Words in Quotations
Capitalizing Proper Nouns and Modifiers
Using Capitals with Names
Knowing When to Capitalize Modifiers
Using Capital Letters with Split
Quotations
Capitalizing Scientific and Computer
Terms

Unit 9: Punctuation

The Basics of Punctuation
Commas
Colons and Semicolons
Putting Commas and Periods inside
Quotation Marks (EWPP)
Using Commas in Dates and Places
Using Commas in Sentences with

"Or," "And," or "But"
Commas 2
Quotation Marks
Putting Quotation Marks around
Quotations (EWPP)
Using Quotation Marks with Titles of
Short Works
Punctuation - End Marks
Using ;, ,, --, -, "'", and ?
Writing Contractions Like "Could've"
Using Apostrophes with Compound
Possessives
Adding Commas to Indicate
Nonessential Information
Adding Commas After Introductory
Phrases
Using Commas with Certain Modifiers
Using Capital Letters with Split
Quotations
Using Commas with Appositives
Punctuating Quotations
Using Commas with Linking Words like
"Because"

Unit 10: Agreement and Usage

Subject-Verb Agreement
A Subject and Its Verb Must Agree
Subjects and Irregular Verbs
Making Verbs and Unusual Nouns Agree
Matching Separated Verbs and Subjects
(EWPP)
Matching Verbs with Compound Subjects
(EWPP)
What is a Plural?
Pronoun and Antecedent Agreement
Correct Pronoun Use
Correct Use of Adjs./Advs.-Comparatives
Matching Separated Verbs and Subjects
Matching Verbs with Compound Subjects
Matching Verbs with Indefinite Pronouns
Fixing Double Negatives (EWPP)
Matching "Or" and "Nor" with Verb Forms
Using Singular Verbs with Collective
Subjects
Using Singular Verbs with Some Plural
Phrases
Using Singular Verbs with Subjects that
Look Plural
Avoiding Predicate-Subject Mismatches

Unit 11: Sentence Skills

Run-on Sentences - Intermediate
Sentence Fragments
Splitting Fused Run-ons
Avoiding Run-ons with Commas

Correcting Sentence Fragments – Verb Phrases
Fixing Modifier-Subject Mismatches
Misplaced Modifier
Parallel Structure Within Sentences
Separating Run-ons Joined by Transitions
Using Linking Words with Parallel Structures
Correcting Sentence Fragments – Subordinate Clauses

Unit 12: Spelling

Spelling Rules
More Spelling Rules
Commonly Misspelled Words

Unit 13: Word Choice

Choosing Good/Well and Bad/Badly
Confusing Verbs 1
Choosing Words Carefully (EWPP)
Synonyms and Antonyms
Homophones: Words That Sound Alike
Choosing “Who” or “That”
Choosing It’s/Its, Accept/Except, and Than/Then
Using the Words “Among” and “Between”
Choosing Affect/Effect, You’re/Your, and Loose/Lose
Confusing Words
Using “Either, Or” and “Neither, Nor”
Choosing Whose/Who’s, Lay/Lie, and Sit/Set
Choosing the Best Linking Word to Join Clauses
Choosing Borrow/Lend, Bring/Take, and All Ready/Already
Choosing Amount/Number, Capital/Capitol, and Imply/Infer

Unit 14: Usage and Style

Inappropriate Language
Word Choice Error
Using Figures of Speech in Writing
Combining Sentences to Make Your Writing Interesting
Writing with Strong Modifiers
Writing Precisely
Using “So” Correctly in Sentences
Identifying and Rewriting Inflated Language
Capturing Interest with Anecdotes
Varying Your Sentence Structures

Unit 15: The Writing Process

Understanding Writing Assignments (EWPP)
Thinking about Audience (EWPP)
Mapping Ideas (EWPP)
Freewriting

Writing for Assignments that Don’t Specify an Audience
Outlining
Using Your Own Words to Develop Ideas
Moving Beyond the Goals of the Assignment
Planning a Sequence of Ideas
Getting Started
Organizing Actions into Steps
Organizing Steps into a Path
Listing Ideas
Determining What Your Audience Knows
Extending Your Idea Inventory
Writing for Tests

Unit 16: Topics and Thesis Statements

Determining Your Thesis
The Topic Sentence
Starting With Your Purpose
Requesting Action
Considering the Reader
Writing the Agenda
Stating Your Thesis
Monitoring Your Thesis
Narrowing Your Topic with Interesting Facts

Unit 17: Paragraph Development

Separating Ideas into Paragraphs (EWPP)
Tying Sentences Together
Giving Enough Details
Describing Actions
Moving Between Topics
Order of Sentences in Paragraphs
Paragraph Development and Organization
Unnecessary Sentences
Transitional Devices

Unit 18: Evidence and Examples

Proving Your Arguments with Evidence
Supporting Your Arguments with the Right Evidence
Using Examples to Clarify Your Ideas
Writing Up Ideas
Using Indirect Evidence
Supporting Arguments with Additional Evidence

Unit 19: Writing Conclusions

Tying Your Ideas Together - Conclusions (EWPP)
Writing Stronger Conclusions

Unit 20: Writing Models

Using Published Writing as a Model
Using Compare/Contrast and Problem/Solution Models
Emphasizing Ideas Using Parallel Structures
Writing for Tests

Unit 21: Research (including avoiding plagiarism)

Going Deeper with Your Research (EWPP)
Giving Credit
Taking Notes
Taking Meeting Notes
Asking Research Questions
Finding Information on the Internet
Citing Information Sources
Balancing Research with Original Ideas
Devising a Research Plan
Evaluating Information
Following up on Leads
Documenting Information from Spoken Sources

Unit 22: Writers’ Perspective

Addressing Different Perspectives
Highlighting Your Individual Voice
Anticipating Counterarguments

Unit 23: Writing Essays

Writing in a Formal Style
Writing Strong Introductions
Writing Effective Transitions
Understanding the Goals of the Assignment
Integrating Quotations into Your Writing
The Writing Process
Working With the Topic
From Ideas to Sentences
Owning Your Essay
Writing Stronger Introductions
Revising and Editing
Writing and Evaluating Essays
Illustrating Your Ideas with Visual Aids
Using Analogies to Clarify Your Ideas

Unit 24: Proofreading and Editing

Using a Checklist to Proofread Your Work – Essential (EWPP)
Varying Your Sentences
Approaching a Peer Review
Reading Out Loud
Fixing Double Negatives
Summarizing During a Peer Review
Avoiding Cliches
Asking Peer Review Questions
Fixing Misplaced Modifiers
Fixing Sentence Fragments - Prepositional Phrases
Using a Checklist to Proofread Your Work – Intermediate
Choosing Your Point of View
Making Multiple Peer Review Passes
Directing a Peer Review
Using a Checklist to Proofread Your Work – Advanced
Reviewing Your Own Work
Proofreading for College