



Learning Pathways in Adult Education

The i-Pathways project provides a depth of curriculum based on the Common Core Standards that will help learners build the knowledge needed to successfully earn their high school equivalency credential.

- The Reasoning Through Language Arts curriculum provides learners with a range of complex texts and materials.
- The Mathematics curriculum prepares learners to build foundational skills in mathematical reasoning as well as fluency in problem solving and procedural application.
- The Science curriculum meets the standards for the National Research Council's Framework for K-12 Science Education.
- The Social Studies curriculum meets the requirements for the National Standards for History.

### **Reasoning Through Language Arts**

The RTLA Module will provide you with the experience of reading and responding to questions reflective of a range of materials.

#### 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 - Paragraph and Sentences
- Lesson 2 - Patterns of Organization
- Lesson 3 - The Writing Process
- Lesson 4 - Introduction to Referencing Materials

### **Mathematics**

The Math units and lessons were designed to help students build foundational skills in mathematical reasoning as well as fluency in problem solving and procedural application.

#### Unit 1 Introduction to Real Numbers

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

#### Unit 2 Introduction to Algebra

- Lesson 1 - Variables and Algebraic Expressions
- Lesson 2 - Combining Like Terms and Simplifying
- Lesson 3 - Solving Algebraic Equations Using the Addition Principle
- Lesson 4 - Solving Algebraic Equations Using the Multiplication Principle
- Lesson 5 - Solving Algebraic Equations Using the Multiplication and Additions Principles
- Lesson 6 - Solving Algebraic Equations with Fractions and Decimals
- Lesson 7 - Translating and Word Problems
- Lesson 8 - Solving Linear Equations Requiring Simplification of Either or Both Sides
- Lesson 9 - Solving Linear Equations with Variable on Both Sides
- Lesson 10 - Solving Literal Equations

#### 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 - Area of Polygons Using Formulas
- 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 - Graphing Linear Functions Using a Table of Values
- Lesson 3 - Graphing Horizontal and Vertical Lines
- Lesson 4 - Graphing Linear Functions Using Intercepts
- Lesson 5 - Rate of Change – Understanding Slope in Context
- Lesson 6 - Slope of a Line
- Lesson 7 - Equations of Lines (Slope-Intercept and Point-Slope Form)
- Lesson 8 - Graphing Linear Functions in Slope-Intercept Form or Point-Slope Form
- Lesson 9 - Applications of Linear Functions
- Lesson 10 - Write the Equation of a Line Perpendicular or Parallel to a Given Line
- Lesson 11 - Graph Linear Inequalities in Two Variable

### **Science**

The major content areas include life science, Earth and space, and physical science.

#### Unit 1: 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 2: Scientific Methods and Technology

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

### 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**

The major content areas include United States History, economics, geography, and the world.

### 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 - Change to Civil War and Reconstruction
- Lesson 3 - Civil Rights
- Lesson 4 - European Settlement and Population of the Americas
- 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

## **Consumer Education**

The Consumer Education Module provides experience with real world documents, application of math principles and reading non-fiction passages.

### Unit 1: Getting a Job or Furthering Your Education

- Lesson 1 - Find A Job
- Lesson 2 - Labor Unions
- Lesson 3 - Health Insurance
- Lesson 4 - Your Paycheck and Taxes
- Lesson 5 - Payday
- Lesson 6 - Transition to Higher Education

### Unit 2: Taxes

- Lesson 1 - Government and Taxes
- Lesson 2 - Filing Federal Taxes
- Lesson 3 - Filing State Taxes

### Unit 3: Housing

- Lesson 1 - Renting vs. Owning
- Lesson 2 - insurance

### Unit 4: Transportation

- Lesson 1 - Selecting a Vehicle
- Lesson 2 - Buying vs. Leasing
- Lesson 3 - Auto Insurance

### Unit 5: Investing

- Lesson 1 - Life Insurance
- Lesson 2 - Stocks
- Lesson 3 - Mutual Funds
- Lesson 4 - Investing in Bonds
- Lesson 5 - Retirement Plans

### Unit 6: Consumer Protection and Decision Making

- Lesson 1 - Advertising and Decision Making
- Lesson 2 - Comparison Shopping
- Lesson 3 - Deception and Fraud
- Lesson 4 - Rights and Responsibilities
- Lesson 5 - Resolving a Consumer Complaint