i-PATHWAYS ALIGNMENT

TO THE COLLEGE AND CAREER READINESS STANDARDS

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The College and Career Readiness Standards are selected from the Common Core State Standards and reflect the academic background and skills a student needs in order to be successful in higher education. The i-Pathways curriculum exceeds the CCRS. In specific lessons where that occur, the alignment simply reads *Aligned with Common Core State Standards.*

i-Pathways provides adult education programs and learners access to an online High School Equivalency Test Preparation Curriculum aligned with the College and Career Readiness Standards. A team of expert adult educators spanning 12 states developed and vetted the i-Pathways curriculum and instruction.

REASONING THROUGH LANGUAGE ARTS

This module helps learners build skills in reading comprehension and vocabulary development. Passages reflect a cross curricular instructional approach and include a variety of literary and non-fiction complex texts. In addition to ensuring the i-Pathways curriculum is standard-driven, evidenced based reading instruction is also integrated into many lessons. When there is no College and Career Readiness alignment listed, the lesson is included to support reading instruction.

Additionally, within the RLA Module, there is a unit of instruction on the writing process. This unit connects critical reading strategies with writing strategies such as writing a strong thesis statement, organizing an essay, determining the role of an audience and editing texts.

Target Audience

Reasoning Through Language Arts was developed for NRS Levels 5 and 6, Low and High Secondary Education.

- **CASAS Levels D & E with reading score ranges from 236 – above.**
- **TABE Levels D & A with reading scale scores ranging from 567-595.**

CCR Standard	i-Pathways Unit Lesson	Lesson Objectives
Unit 1: The Reading Process		
	Lesson 1: What is Reading	• Identify specific reading strategies • Apply newly learned reading strategies to a variety of complex literary and real world texts
Craft and Structure RI.9-10.5	Lesson 2: Pre-Reading	• Define background knowledge and identify how activating background knowledge will improve reading comprehension • Understand how identifying topic and introductory sentences will improve reading comprehension

Aligned with Common Core State Standards	Lesson 3: During Reading	• Identify an author's purpose in a literary or real world text • Analyze strategies for making inferences and drawing conclusions
Craft and Structure RI.9-10.6	Lesson 4: After Reading	• Identify an author's purpose in a literary or real world text • Analyze strategies for making inferences and drawing conclusion

Unit 2: Vocabulary and Word Skills		
Vocabulary Acquisition and Use L.11-12.4	Lesson 1: Understanding Word Parts	• Increase vocabulary by understanding root words • Apply knowledge of word parts in order to improve reading comprehension
Aligned with Common Core State Standards	Lesson 2: Vocabulary in Context	• Apply a variety of context clues in reading to learn new vocabulary
Aligned with Common Core State Standards	Lesson 3: Confused Pairs	• Identify homonyms and commonly confused words
Aligned with Common Core State Standards	Lesson 4: Learning Vocabulary	• Understand schema and strategies for building vocabulary connections

Unit 3: Reading Comprehension Skills		
Key Ideas and Details RI.9-10.2	Lesson 1: Main Ideas	• Determine the main idea in a passage • Identify a direct and implied main idea
Key Ideas and Details RI.9-10.2	Lesson 2: Details	• Define supporting details • Evaluate a written passage and identify the supporting details • Differentiate between types of supporting details
Key Ideas and Details RI.9-10.2	Lesson 3: Inferences	• Develop strategies for making inferences

Unit 4: Patterns of Organization		
Range of Reading and Level of Text Complexity RI.11-12.9	Lesson 1: Fact and Opinion	• Differentiate between fact and opinion
Aligned with Common Core State Standards	Lesson 2: Cause and Effect & Compare and Contrast	• Determine cause and effect relationships • Differentiate between cause and effect
Aligned with Common Core State Standards	Lesson 3: Time Order, Narrative Process	• Identify the time order pattern of organization • Compare the time order and narrative pattern of organization • Define signal words that identify the time order pattern of organization
Aligned with Common Core State Standards	Lesson 4: Classification, Description, and Listing of Examples	• Differentiate between the classification, description, and listing of examples pattern of organization

Unit 5: Purpose and Tone		
Craft and Structure RI.9-10.4 Integration of Knowledge and Ideas RI.11-12.7	Lesson 1: Purpose and Tone	• Recognize an author's purpose for writing • Define connotations
Aligned with Common Core State Standards	Lesson 2: Informative Reading	• Determine a variety of informative reading strategies • Create strategies for using graphic organizers in reading
Aligned with Common Core State Standards	Lesson 3: Reading for Pleasure	• Recognize elements of fictional writing • Identify reading strategies for fictional texts

Unit 6: Reading Graphics and Electronic Texts		
	Lesson 1: Reading Graphics with Understanding	• Determine the function of graphics • Identify the different types of graphics • Establish techniques for reading graphics
	Lesson 2: Reading Electronic Texts	• Complete an effective Internet Search • Evaluate websites for reliability

WRITING

Understanding that adult learners need to see the connection between effective reading and improved writing, the i-Pathways curriculum embeds a unit focused on writing that supplements the reading instruction.

Target Audience

The Writing Unit in the Reasoning Through Language Arts was developed for NRS Levels 5 and 6, Low and High Secondary Education.

- **CASAS Levels D & E with writing score range between 261-270.**
- **TABE Levels D & A with reading scale scores ranging from 567-595.**

CCR Standard	i-Pathways Unit Lesson	Lesson Objectives
Unit 7: Writing		
Production and Distribution of Writing W.6.4 Production and Distribution of Writing W.7.4 Production and Distribution of Writing W.8.4	Lesson 1: Paragraph and Sentences	• Determine the purpose of a written response • Organize paragraphs • Create an essay
Text Types and Purposes W.9-10.1	Lesson 2: Patterns of Organization	• Organize information when writing • Identify the appropriate pattern of development for the written response to a prompt

Aligned with Common Core State Standards	Lesson 3: The Writing Process	• Write a strong thesis statement • Organize an essay • Determine the role of audience
Research to Build and Present Knowledge W.6.8 Research to Build and Present Knowledge W.7.8 Research to Build and Present Knowledge W.8.8	Lesson 4: Introduction to Referencing Materials	• Define plagiarism • Understand how to correctly cite information

MATHEMATICS

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

Target Audience

Mathematics was developed for NRS Levels 5 and 6, Low and High Secondary Education.

- **CASAS Levels E with math score ranges from 236 – above.**
- **TABE Levels D & A with math scores ranging from 566-594.**

CCR Standard	i-Pathways Unit Lesson	Lesson Objectives
Unit 1: Introduction to Real Numbers		
Apply and extend previous understandings of numbers to the system of rational numbers. 6.NS.5	Lesson 1: Integers	• Identify integers on a number line • Compare integers
Apply and extend previous understandings of operations with fractions. 7.NS.1	Lesson 2: Addition with Integers	• Add signed numbers

Apply and extend previous understandings of operations with fractions. 7.NS.1	Lesson 3: Subtraction with Integers	• Subtract signed numbers
Apply and extend previous understandings of operations with fractions. 7.NS.2	Lesson 4: Adding and Subtracting Signed Numbers	• Solve word problems with signed numbers
Apply and extend previous understandings of operations with fractions. 7.NS.2	Lesson 5: Multiplication, Division and Order of Operations with Integers.	• Solve problems with Integers • Use the rules for order of operations to evaluate expressions
Apply and extend previous understandings of operations with fractions. 7.NS.2	Lesson 6: Multiplication, Division and Order of Operations with Rational Numbers	• Apply order of operations with rational numbers

Unit 2: Variables and Algebraic Expressions		
Apply and extend previous understandings of arithmetic to algebraic expressions. 6.EE.1 Apply and extend previous understandings of arithmetic to algebraic expressions. 6.EE.2 6.EE.3 6.EE.4 Reason about and solve one-variable equations and inequalities. 6.EE.5 6.EE.6 6.EE.7 6.EE.8 Represent and analyze quantitative relationships between dependent and independent variables. 6.EE.9	Lesson 1: Variables and Algebraic Expressions	• Identify variables in English phrases • Write algebraic expressions using signed numbers, integers, and variables • Interpret algebraic expressions

Use properties of operations to generate equivalent expressions. 7.EE.1 7.EE.2 7.EE.3 Use random sampling to draw inferences about a population. A.SSE.1		
Apply and extend previous understandings of arithmetic to algebraic expressions. 6.EE.3	Lesson 2: Combining Like Terms and Simplifying Expressions	• Combine like terms in algebraic expressions • Simplify expressions using the distributive property
Reason about and solve one-variable equations and inequalities. 6.EE.5	Lesson 3: Solving Algebraic Equations Using the Addition and Subtraction Principle	• Solve equation problems using the addition principle • Solve equation problems using the subtraction principle
Apply and extend previous understandings of arithmetic to algebraic expressions. 6.EE.5	Lesson 4: Solving Algebraic Equations Using the Multiplication Principle	• Solve equations using the multiplication principle • Solve equations using the division principle

Apply and extend previous understandings of arithmetic to algebraic expressions. 6.EE.5	Lesson 5: Solving Algebraic Equations Using the Multiplication and Additions Principles	• Solve equations for the unknown variable using multiple mathematical operations
Apply and extend previous understandings of arithmetic to algebraic expressions. 6.EE.5	Lesson 6: Solving Algebraic Equations with Fractions and Decimals	• Solve equations containing fractions • Solve equations containing decimals
Reason about and solve one-variable equations and inequalities. 6.EE.6 6.EE.7	Lesson 7: Translating and Word Problems	• Identify trigger words used in mathematical operations • Translate word problems into algebraic equations • Solve problems using principles of multiplication, division, addition, and subtraction
Represent and analyze quantitative relationships between dependent and independent variables. 6.EE.9	Lesson 8: Solving Linear Equations	• Combine like terms • Solve equations which require simplifications • Clear equations of fractions and decimals
Solving real-life and mathematical problems using numerical and algebraic expressions and equations. 7.EE.3	Lesson 9: Solving Linear Equations with Variable on Both Sides	• Solve equations with variables on both sides

Solving real-life and mathematical problems using numerical and algebraic expressions and equations. 7.EE.3	Lesson 10: Solving Literal Equations	• Solve literal equations for a specified variable
Solving real-life and mathematical problems using numerical and algebraic expressions and equations. 7.EE.3	Lesson 11: Use Linear Equations to Solve Word Problems	• Apply strategies to solving word problems involving linear equations

Unit 3: Introduction to Geometry		
Solve real-life and mathematical problems involving angle measure, area, surface area, and volume. 7.G.5	Lesson 1: Points, Lines, Planes, and Angles	• Identify the difference between lines, planes and angles • Measure angles in diagrams • Identify complementary and supplementary angles
Solve real-life and mathematical problems involving angle measure, area, surface area, and volume. 7.G.5 Understand and apply the Pythagorean Theorem. 8.G.7	Lesson 2: Classifying Triangles and the Pythagorean Theorem	• Classify triangles • Solve problems involving measurement of angles in a triangle • Solve problems involving the Pythagorean Theorem
Solve real-world and mathematical problems involving area, surface area, and volume. 6.G.1	Lesson 3: Classifying Quadrilaterals	• Classify quadrilaterals • Determine the relationship between quadrilaterals

Solve real-life and mathematical problems involving angle measure, area, surface area, and volume. 7.G.4	Lesson 4: Circles	• Identify the basic parts of a circle • Identify the circumference and area of a circle
Solve real-life and mathematical problems involving angle measure, area, surface area, and volume. 7.G.6	Lesson 5: Area of Polygons	• Solve for unknown lengths • Solve for the area of irregular figures • Find the area of squares, rectangles, parallelograms, and trapezoids
Solve real-life and mathematical problems involving angle measure, area, surface area, and volume. 7.G.6	Lesson 6: Volume	• Solve for volume of three-dimensional figures • Solve for a surface area • Solve for the volume of area using formulas

Unit 4: Linear Inequalities in One Variable		
Analyze and solve linear equations and pairs of simultaneous linear equations. 8.EE.7	Lesson 1: Set Notation, Interval Notation, and Terminology	• Identify set-builder and interval notation • Write solution sets for equations and inequalities in both set-builder and interval notation
Analyze and solve linear equations and pairs of simultaneous linear equations. 8.EE.7	Lesson 2: Solve and Graph Single Linear Inequalities in One Variable	• Solve linear inequalities in one variable • Graph linear inequalities in one variable
Analyze and solve linear equations and pairs of simultaneous linear equations. 8.EE.8	Lesson 3: Solve and Graph Compound Linear Inequalities in One Variable	• Solve compound linear inequalities in one variable • Graph solution sets of linear inequalities
Analyze and solve linear equations and pairs of simultaneous linear equations. 8.EE.8	Lesson 4: Solve Linear Equations and Inequalities Containing Absolute Value	• Solve linear inequalities containing absolute value • Graph solutions to linear inequalities containing absolute value

Unit 5: Linear Functions		
Understand the concept of a function and use functional notation. F.IF.2	Lesson 1: Introduction to Graphing	• Identify the location of a point • Solve an equation by identifying the ordered pair
Interpret functions that arise in applications in terms of the context. F.IF.4	Lesson 2: Graphing Linear Functions Using a Table of Values	• Graph linear equations using a table of values
Interpret functions that arise in applications in terms of the context. F.IF.4	Lesson 3: Graphing Horizontal and Vertical Lines	• Graph horizontal lines when given its equation • Graph vertical lines when given its equation
Interpret functions that arise in applications in terms of the context. F.IF.4	Lesson 4: Graphing Linear Functions Using Intercepts	• Locate the x and y intercept of a line • Graph lines using the x and y intercept
Interpret functions that arise in applications in terms of the context. F.IF.4	Lesson 5: Rate of Change – Understanding Slope in Context	• Interpret positive, negative, zero, and undefined slope
Interpret functions that arise in applications in terms of the context. F.IF.4	Lesson 6: Slope of a Line	• Identify the slope of a line

Interpret functions that arise in applications in terms of the context. F.IF.4	Lesson 7: Equations of Lines (Slope-Intercept and Point-Slope Form)	• Understand the slope and y-intercept form from its equation • Write an equation of a line given the slope and y-intercept
Interpret functions that arise in applications in terms of the context. F.IF.4	Lesson 8: Graphing Linear Functions in Slope-Intercept Form or Point-Slope Form	• Graph a linear function when given its equation in slope-intercept form • Graph a linear function when given its equation in point-slope form
Analyze functions using different representations. F.IF.9	Lesson 9: Applications of Linear Functions	• Solve word problems involving linear equations in two variables
Interpret functions that arise in applications in terms of the context. F.IF.4	Lesson 10: Write the Equation of a Line Perpendicular or Parallel to a Given Line	• Write an equation for parallel lines • Write equations for perpendicular lines
Interpret functions that arise in applications in terms of the context. F.IF.4	Lesson 11: Graph Linear Inequalities in Two Variable	• Graph linear inequalities in two variables

Unit 6: Polynomials and Factoring		
Perform arithmetic operations on polynomials. A.APR.1	Lesson 1: Introduction to Polynomials	• Classify polynomials
Perform arithmetic operations on polynomials. A.APR.1	Lesson 2: Addition and Subtraction in Polynomials	• Solve addition and subtraction problems containing polynomials
Perform arithmetic operations on polynomials. A.APR.1	Lesson 3: Multiplication of Polynomials	• Solve multiplication problems with binomials and polynomials
Perform arithmetic operations on polynomials. A.APR.1	Lesson 4: Division of Polynomials	• Solve division problems containing polynomials and monomials
Perform arithmetic operations on polynomials. A.APR.1	Lesson 5: Factoring by Greatest Common Factor and Grouping	• Factor polynomials using grouping and the greatest common factor
Perform arithmetic operations on polynomials. A.APR.1	Lesson 6: Factoring Differences of Squares	• Factor the difference of squares
Perform arithmetic operations on polynomials. A.APR.1	Lesson 7: Factoring Trinomials	• Factor trinomials

Interpret the structure of expressions. A.SEE.2	Lesson 8: Factoring Sum and Difference of Cubes	• Factor the sum of cubes. • Factor the difference of cubes
Solve equations and inequalities in one variable A.REI.4	Lesson 9: Solving Equations by Factoring	• Solve equations by factoring
Solve equations and inequalities in one variable A.REI.4	Lesson 10: Applications: Word Problems	• Solve word problems involving factoring
Solve equations and inequalities in one variable A.REI.4	Lesson 11: Equations in Quadratic Form	• Solve equations in quadratic form

Unit 7: Rational Expressions		
Aligned with Common Core State Standards	Lesson 1: Simplifying Rational Expressions and Determining Excluded Values	• Simplify rational value expressions
Aligned with Common Core State Standards	Lesson 2: Multiplication and Division of Rational Expressions	• Multiple and Divide rational expressions
Aligned with Common Core State Standards	Lesson 3: Addition and Subtraction of Rational Expressions	• Add and subtract rational expressions
Aligned with Common Core State Standards	Lesson 4: Perform Operations with Complex Fractions	• Simplify complex rational expressions
Aligned with Common Core State Standards	Lesson 5: Solve Equations with Rational Expressions	• Solve equations involving rational expressions with fractions
Aligned with Common Core State Standards	Lesson 6: Applications: Word Problems	• Solve word problems involving rational expressions

SCIENCE

The Science curriculum addresses the standards for the National Research Council's Framework for K-12 Science Education.

Target Audience

Science was developed for NRS Levels 5 and 6, Low and High Secondary Education.

- **CASAS Level E with reading score ranges from 236 – above.**
- **TABE Level A with reading scale scores ranging from 567-595.**

CCR Standard	i-Pathways Unit Lesson	Lesson Objectives
Unit 1: Scientific Methods and Technology		
Craft and Structure R.ST.9-10.4	Lesson 1: Science as Inquiry	• Identify the scientific method
Craft and Structure R.ST.9-10.4	Lesson 2: Science and Technology	• Identify science as inquiry as it applies to DNA

Unit 2: Life Science		
Craft and Structure R.ST.9-10.4	Lesson 1: The Human Body	• Understand how systems of the body work together • Identify the basics of health and fitness • Identify diseases that impact various systems of the body
Craft and Structure R.ST.9-10.4	Lesson 2: The Cell	• Identify cell structures and functions • Understand the difference between plant and animal cells • Recognize how cells divide • Understand the process of photosynthesis • Understand how cells make use of energy to carry out their functions • Understand how cells differentiate and organize themselves into complex organisms
Craft and Structure R.ST.9-10.4	Lesson 3: Molecular Basis of Heredity	• Predict the outcome of a genetic cross • Differentiate patterns of inheritance • Identify the structure of the DNA molecule • Understand how DNA replicates itself • Understand how genes express themselves
Craft and Structure R.ST.9-10.4	Lesson 4: Understanding Evolution	• Identify how natural selection operates • Define punctuated equilibrium • Evaluate evidence of evolution
Craft and Structure R.ST.9-10.4	Lesson 5: Form and Function	• Understand the relationship between form and function • Evaluate the influences of form and function • Identify how form and function impact evolution
Craft and Structure R.ST.9-10.4	Lesson 6: Interdependence of Organisms	• Identify energy flow from organisms into ecosystems • Evaluate a food web • Identify the relationships between organisms in an ecosystem

Unit 3: Physical Science		
Craft and Structure R.ST.9-10.4	Lesson 1: Structure and Properties of Matter	• Identify the structures and properties of matter • Define the parts of an atom • Define chemical bonds • Identify the difference between chemical and physical changes
Craft and Structure R.ST.9-10.4	Lesson 2: Chemical Reactions	• Identify the process and properties of chemical reactions • Solve chemical equations • Define systems in equilibrium • Understand the forces that change the speed of a reaction
Craft and Structure R.ST.9-10.4	Lesson 3: Motion and Forces	• Identify Newton's Laws of Motion • Evaluate how the Law of Gravity fits with the Laws of Motion
Craft and Structure R.ST.9-10.4	Lesson 4: Systems, Order and Organization	• Identify the systems in the natural and designed world • Identify order in the natural and designed world • Classify organization in the natural and designed world
Craft and Structure R.ST.9-10.4	Lesson 5: Interactions of Energy and Matter	• Differentiate between potential and kinetic energy • Explore the relationship between waves, energy, and matter • Compare and contrast the advantages and disadvantages of energy sources

Unit 4: Earth and Space Science		
Craft and Structure R.ST.9-10.4	Lesson 1: Energy in the Earth System	• Identify the parts of the Earth • Define energy sources in the Earth
Craft and Structure R.ST.9-10.4	Lesson 2: Evolution of the Earth System	• Understand the theory of continental drift • Identify causes of earthquakes
Craft and Structure R.ST.9-10.4	Lesson 3: Origin and Evolution of the Universe	• Evaluate the Big Bang Theory • Identify the theory of evolution
Craft and Structure R.ST.9-10.4	Lesson 4: Preservation of the Earth and its Resources	• Identify the impact of human advancement on the environment • Explore strategies to preserve the environment

SOCIAL STUDIES

The Social Studies curriculum addresses the requirements for the National Standards for History.

Target Audience

Social Studies was developed for NRS Levels 5 and 6, Low and High Secondary Education.

- **CASAS Level E with reading score ranges from 236 – above.**
- **TABE Level A with reading scale scores ranging from 567-595.**

CCR Standard	i-Pathways Unit Lesson	Lesson Objectives
Unit 1: Civics and Government		
Aligned with Common Core State Standards	Lesson 1: Modern and Historical Governments	• Differentiate between government systems in the world • Compare and contrast political ideals
Aligned with Common Core State Standards	Lesson 2: American Constitutional Democracy	• Define the key principles that shaped the American Constitutional Democracy • Understand how the American government was created
Aligned with Common Core State Standards	Lesson 3: Structure and Design of United States Government	• Identify how the federal, state, and local governments function • Explain the structure of the United States Government
Aligned with Common Core State Standards	Lesson 4: Political Parties, Campaigns, Elections, Electoral Process, and Contemporary Public Policy	• Compare and contrast the political parties in the United States • Identify the role of special interest groups and lobbyists in contemporary public policy

Unit 2: United States History		
Key Ideas and Details RH.9-10.3	Lesson 1: Revolutionary and Early Republic Periods	• Evaluate the impact of American colonization • Identify historical figures of Colonial America • Evaluate the cause and effect of the American Revolution
Key Ideas and Details RH.9-10.3	Lesson 2: Civil War and Reconstruction	• Identify the historical figures of the American Civil War • Evaluate the impact of the American Civil War
Key Ideas and Details RH.9-10.3	Lesson 3: Civil Rights	• Identify the impact of Jim Crow laws • Evaluate the Supreme Courte rulings that impacted the Civil Rights movement • Identify the role of women's rights within the Civil Rights movement
Key Ideas and Details RH.9-10.3	Lesson 4: World at War	• Define the alliance system • Identify the key world leaders in the early 1900s • Understand the cause and effects of WWI and WWII
Aligned with Common Core State Standards	Lesson 5: The Cold War and Foreign Policy Since 9/11	• Identify the Cold War and define its significance • Define the domestic and foreign policies after September 11, 2011

Unit 3: Fundamental Economic Concepts		
Aligned with Common Core State Standards	Lesson 1: Fundamental Economic Concepts	• Evaluate the relationship between supply and demand • Identify the elements of a free enterprise economy
Aligned with Common Core State Standards	Lesson 2: Microeconomics and Macroeconomics	• Identify the causes of inflation • Explain the impact of government policy on inflation of goods and services • Define gross domestic product
Aligned with Common Core State Standards	Lesson 3: Key Economic Events Shaping American Government and Policies	• Identify the impact of Westward Expansion in the American economy • Evaluate the economic causes and impacts of war • Evaluate the impact of the Industrial Revolution on the economy and the working class
Aligned with Common Core State Standards	Lesson 4: Consumer Education	• Define credit • Develop strategies for saving money • Identify strategies for personal banking

Unit 4: Geography and the World		
Aligned with Common Core State Standards	Lesson 1: Development of Classical Civilizations	• Identify past empires • Evaluate how past empires and societies impacted modern government
Aligned with Common Core State Standards	Lesson 2: Relationship Between the Environment and Societal Development	• Understand the impact of population growth on the environment
Aligned with Common Core State Standards	Lesson 3: Borders between People and Nations	• Evaluate maps for geographical or political information

BASIC WRITING

Basic Writing provides instruction in language development, writing conventions, and development/organization of ideas.

Target Audience

Basic Writing was developed for NRS Levels 5 and 6, Low and High Secondary Education.

- **CASAS Level D with writing score ranges from 221 – 235.**
- **TABE Level A with language scores ranging from 524-559.**

CCR Standard	i-Pathways Unit Lesson	Lesson Objectives
Unit 1: Sentence Structure/Mechanics		
Conventions of Standard English L.6.1 L.6.2 Conventions of Standard English L.7.1 L.7.2 Conventions of Standard English L.8.1 L.8.2 Conventions of Standard English	Lesson 1: Identifying and Using Parts of Speech	• Correctly identify each of the eight parts of speech • Correctly use each of the parts of speech in sentences

L.9-10.1 L.9-10.2		
Conventions of Standard English L.6.2 Conventions of Standard English L.7.2 Conventions of Standard English L.8.2	Lesson 2: Understanding Sentence Structure	• Use periods correctly (.) • Use question marks correctly (?) • Use exclamation points correctly. (!) • Use colons correctly (:) • Use italics correctly (*italics*) • Use quotation marks correctly (“ ”)
Conventions of Standard English L.6.1 Conventions of Standard English L.7.1 Conventions of Standard English L.8.1	Lesson 3: Combining Sentences	• Identify simple sentences, compound sentences, and complex sentences • Identify and correct sentence errors, such as run-ons and fragments • Connect sentences or parts of sentences with coordinating conjunctions, semicolons, and subordinating conjunctions
Knowledge of Language L.6.3 Knowledge of Language L.7.3 Knowledge of Language L.8.3	Lesson 4: Errors in Grammar	• Identify basic grammatical errors in Standard English • Practice identifying grammatical errors in writing

Unit 2: Introduction to the Writing Process		
Production and Distribution of Writing W.HST.6.4 W.HST.7.4 W.HST.8.4	Lesson 1: Introduction to the Writing Process	• Gather ideas to write about • Analyze to decide on the topic, purpose, and audience • Write a first draft • Revise your draft • Edit your writing
Production and Distribution of Writing W.HST.6.4 W.HST.7.4 W.HST.8.4	Lesson 2: Sentences and Paragraphs	• Identify the parts of a paragraph • Write good topic sentences • Identify major and minor details • Define order, unity, and coherence
Production and Distribution of Writing W.HST.6.4 W.HST.7.4 W.HST.8.4	Lesson 3: Patterns of Development Part I	• Write five types of paragraphs • Understand purpose, characteristics, and pattern of organization
Text Types and Purposes W.6.2 W.7.2 W.8.2 Text Types and Purposes W.6.3 W.7.3 W.8.3	Lesson 4: Patterns of Development Part II	• Write paragraphs according to patterns of development • Compare and contrast developed paragraphs • Understand how classification paragraphs are developed • Understand how cause and effect paragraphs are developed • Understand how persuasive paragraphs are developed

Unit 3: Effective Sentences		
Text Types and Purposes W.6.1 Text Types and Purposes W.7.1 Text Types and Purposes W.8.1	Lesson 1: Word Choice	• Use concrete and vivid words • Write concisely • Avoid redundancy • Avoid clichés • Use apostrophes correctly • Choose the right spelling of words
Text Types and Purposes L.6.3 Text Types and Purposes L.7.3 Text Types and Purposes L.8.3	Lesson 2: Sentence Variety	• Place emphasis on the major ideas of a sentence • Differentiate between coordination and subordination • Use variations of sentence structure • Use and punctuate transitional elements in a paragraph
Text Types and Purposes L.6.3 Text Types and Purposes L.7.3 Text Types and Purposes L.8.3	Lesson 3: Sentence Clarity	• Identify and correct misplaced modifiers • Identify and correct dangling modifiers • Use parallel structure • Identify and correct mixed construction

Aligned with Common Core State Standards	Lesson 4: Revising and Editing	• Revise and rewrite an essay to strengthen its content, organization, and wording • Edit an essay applying the standards of correct grammar and mechanics

Unit 4: Introduction to Referencing Materials		
Research to Build and Present Knowledge W.6.8 Research to Build and Present Knowledge W.7.8 Research to Build and Present Knowledge W.8.8	Lesson 1: Gathering Information and Citing Resources	• The types of sources used in research • How to determine if a source is credible • Understand the purpose of a Works Cited Page
Text Types and Purposes W.9-10.1	Lesson 2: Summarizing, Paraphrasing, and Quoting Directly from Outside Source	• Avoid Plagiarism • Summarize from an outside source • Paraphrase from an outside source • Quote directly from an outside source • Use in-text citation

Unit 5: Essay Writing		
Production and Distribution of Writing W.9-10.4	Lesson 1: The Writing Process	• Prepare to write • Organize an essay • Consider audience while writing • Draft, revise, and edit an essay
Text Types and Purposes W.9-10.2	Lesson 2: Essay Development	• Write thesis statements • Write an introduction and conclusion • Write body paragraphs with topic sentences, support, and transitions
Text Types and Purposes W.9-10.2	Lesson 3: Writing Strategies	• To define and write a narrative essay • To define and write an expository essay • To define and write a persuasive essay • The difference between first person and third person narration

BASIC MATH

Basic Math will provide learners with instruction in number sense and prepare them for the transition into higher-level math.

Target Audience

Basic Math was developed for NRS Levels 5 and 6, Low and High Secondary Education.

- **CASAS Level C and D with score ranges from 221 – 235.**
- **TABE Level D with scores ranging from 442-505.**

CCR Standard	i-Pathways Unit Lesson	Lesson Objectives
Unit 1: Sentence Structure/Mechanics		
Generalize place value understanding for multi-digit whole numbers. 4.NBT.3	Lesson 1: Place, Value, Rounding, and Estimating	• Identify place value of a digit in a number • Round numbers to a given place value • Estimate numbers
Use place value understanding and properties of operations to perform multi-digit arithmetic 4.NBT.4	Lesson 2: Addition, Subtraction, Multiplication and Division	• Add, subtract, multiply and divide whole numbers

Use place value understanding and properties of operations to perform multi-digit arithmetic 4.NBT.4	Lesson 3: Mean, Median, Mode	• Define mean, median, and mode • Solve math problems involving mean, median, mode, and range
Expressions and Equations Work with radicals and integer exponents. 8.EE.1	Lesson 4: Exponents and Pythagorean Theorem	• Identify exponents or powers • Simplify powers of 0 and 1 • Use exponents with geometry
Apply and extend previous understanding of operations with fractions 7.NS.2	Lesson 5: Order of Operations	• Apply the rules of order of operations to simplify mathematical expressions
Gain familiarity with factors and multiples 4.OA.4	Lesson 6: Prime Numbers	• Identify prime and composite numbers • Identify at least two pairs of factors of composite numbers • Find pairs of factors that add to give a given number
Gain familiarity with factors and multiples 4.OA.4	Lesson 7: Prime Factorization	• Identify when a number is written as a product of primes • Understand the Fundamental Theorem of Arithmetic • Find the prime factorization for any counting number
Use equivalent fractions as a strategy to add and subtract fractions 5.NF.1	Lesson 8: Least Common Multiples	• Identify the least common multiple mean. • Find the least common multiple for a group of two or three numbers. • Understand what prime numbers have to do with least common multiples

Use equivalent fractions as a strategy to add and subtract fractions 5.NF.2	Lesson 9: Problem Solving	• Use strategies to solve word problems • Determine key words in word problems

Unit 2: Prime Numbers and Least Common Multiples		
Use equivalent fractions as a strategy to add and subtract fractions 4.NF.1	Lesson 1: Fractions	• Understand fractions • Identify equivalent fractions • Simplify or expand fractions
Apply and extend previous understandings of multiplication and division to divide fractions by fractions 6.NS.1	Lesson 2: Multiplication with Fractions	• Multiply fractions
Apply and extend previous understandings of multiplication and division to divide fractions by fractions 6.NS.1	Lesson 3: Division with Fractions	• Divide Fractions
Use equivalent fractions as a strategy to add and subtract fractions 5.NF.1	Lesson 4: Addition with Fractions	• Determine the least common denominator (LCD) • Add fractions
Use equivalent fractions as a strategy to add and subtract fractions 5.NF.1	Lesson 5: Subtraction with Fractions	• Subtract fractions

Build fractions from unit fractions 4.NF.4	Lesson 6: Mixed Numbers	• Use mixed numbers to represent figures and real-life data • Write mixed numbers as improper fractions • Write improper fractions as mixed numbers
Build fractions from unit fractions 4.NF.4	Lesson 7: Multiply and Divide with Mixed Numbers	• Multiply mixed numbers • Divide mixed numbers
Extend understanding of fraction equivalence and ordering 4.NF.3	Lesson 8: Adding Mixed Numbers	• Add mixed numbers.
Extend understanding of fraction equivalence and ordering 4.NF.3	Lesson 9: Subtracting with Mixed Numbers	• Subtract mixed numbers.

Unit 3: Decimals		
Understand the place value system 5.NBT.2	Lesson 1: Decimal Numbers	• Read decimal numbers written as numerals • Write numerals that contain decimals and are expressed as words • Identify the value of a digit in a number • Round decimals to an indicated place of accuracy
Perform operations with multi-digit whole numbers and with decimals to hundredths 5.NBT.6	Lesson 2: Addition and Subtraction with Decimal Numbers	• Add with decimal numbers • Subtract with decimal numbers
Understand the place value system 6.NS.3	Lesson 3: Multiplication and Division with Decimal Numbers	• Multiply with decimal numbers • Divide with decimal numbers
Understand ratio concepts and use ratio reasoning to solve problems 6.RP.3	Lesson 4: Decimals, Fractions, and Percentages	• Convert fractions to decimals • Convert decimals to fractions • Convert decimals to percentages
Understand and apply the Pythagorean Theorem 8.G.7	Lesson 5: Square Roots and Pythagorean Theorem	• Understand the Pythagorean Relationship/Theorem. • Find the Square root of a number.

Unit 4: Ratios and Proportions		
Understand ratio concepts and use ratio reasoning to solve problems 6.RP.1 6.RP.2	Lesson 1: Ratio and Price per Unit	• Understand ratios. • Write a ratio using several notations. • Calculate price per unit, miles per gallon and miles per hour.
Analyze proportional relationships and use them to solve real-world and mathematical problems 7.RP.2	Lesson 2: Ratios and Proportions	• Identify a proportion • Determine if a statement is a true proportion
Analyze proportional relationships and use them to solve real-world and mathematical problems 7.RP.2	Lesson 3: Finding the Unknown Term in a Proportion	• Find the unknown number in a proportion
Analyze proportional relationships and use them to solve real-world and mathematical problems 7.RP.3	Lesson 4: Problem Solving with Proportions	• Set up a proportion correctly given a situation with one unknown term • Use a chart to help set up proportions

Understand ratio concepts and use ratio reasoning to solve problems 6.RP.3	Lesson 5: Similar Triangles and Similar Figures	• Find unknown lengths of sides for pairs of similar figures using proportions

Unit 5: Percentages		
Analyze proportional relationships and use them to solve real-world and mathematical problems 7.RP.3	Lesson 1: Decimals and Percentages	• Determine the meaning of percent • Change a decimal to a percent • Change a percent to a decimal
Analyze proportional relationships and use them to solve real-world and mathematical problems 7.RP.2	Lesson 2: Fractions and Percentages	• Change fractions, mixed numbers, and improper fractions into percentages • Change percentages to fractions and mixed numbers
Analyze proportional relationships and use them to solve real-world and mathematical problems 7.RP.3	Lesson 3: Applications with Percentages	• Identify types of numbers found in percent problems • Write simple percent statements • Use two formulas to solve percent problems • Translate real life problems to simple percent statements • Solve percent word problems
Analyze proportional relationships and use them to solve real-world and mathematical problems 7.RP.2	Lesson 4: Simple and Compound Interest	• Apply concepts of simple and compound interest to real world problems

Analyze proportional relationships and use them to solve real-world and mathematical problems 7.RP.3	Lesson 5: Percent of Increase and Percent of Decrease	• Solve problems involving percent of increase • Solve problems involving percent of decrease

READING THROUGH THE CONTENT AREAS

This unit of instruction targets building academic skills by developing reading strategies in various content areas. It is aligned with the WIOA objectives to ensure learners are ready for success in post-secondary education by teaching specific skills in both academic knowledge and academic skills. Current research indicates reading comprehension, technical writing and numeric literacy are the core skills that help students have successful academic experiences.

Target Audience

The Reading Through the Content Areas unit was developed for NRS Level 3, Low and Intermediate Secondary education.

- **CASAS Levels 2 & 3 with lexile scores ranging between 420-1010**
- **TABE Levels E & M, with reading scale scores 295-550**

CCR Standard	i-Pathways Unit Lesson	Lesson Objectives
Unit 1: RTCA Social Studies		
RI/RL/R1.1	Lesson 1: Introduction	• Why did the author write the text? • What is the main idea? • What text structure(s) are used to help with understanding? • How do the visuals enhance what is written? • What conclusions can be drawn from what has been read?
RI/RL/R1.4, 3.4, 5.4 RF3.a, RF4a,b,c	Lesson 2: Vocabulary Development	• Apply and understand context clues • Identify affixes • Use a dictionary to understand the meaning of words • Use a thesaurus to understand both similar and opposite word meanings • Identify and use figurative language?

RI/RL2.6,3.6,4.6	Lesson 3: Narrative Text	• Identify a main idea • Identify text structure • Answer the who, what, when, why, where, and how • Identify primary and secondary text • Use pre- and post-reading strategies • Draw conclusions and make inferences
RI/RL1.5,2.5,3.5,4.5	Lesson 4: Information Text	• Identify types of narrative styles or genres • Use a plot diagram to map a plot of a story • Identify a point of view • Make inferences and draw conclusions
RI/RL/R1.5,2.5,3.5, 4.5	Lesson 5: Understanding Images	• Editorial or Political Cartoons • Graphs • Charts and Tables • Maps
RI/RL1.7,2.7,3.7,4.7	Lesson 6: Real World Application	• Interpret texts you encounter in daily life • Apply reading strategies to understand informational and narrative text • Apply reading strategies to understand text with and without graphics

Unit 2: RTCA Science		
RI/RL/R1.1	Lesson 1: Introduction	• Conduct pre-reading strategies • Identify important vocabulary words • Locate the main idea • Begin to draw inferences • Summarize the key points of scientific texts
RI/RL/R1.4, 3.4, 5.4 RF3.a, RF4a,b,c	Lesson 2: Vocabulary Development	• Know the parts of a word • Identify terms and their meanings • Use outside sources to aid comprehension • Understand how words are assembled to expand their meaning • Find context clues • Locate antonyms, synonyms, examples, appositives, and analogies
RI/RL2.6,3.6,4.6	Lesson 3: Using Graphic Organizers to Understand Science Texts	• The details of each type of graphic organizer • How to determine which type of graphic organizer is best to use • The form of graphic organizer that best helps you understand new concepts
RI/RL1.5,2.5,3.5,4.5	Lesson 4: Understanding Ideas	• Understand the parts that make up informational texts • Tell the difference between a topic and a main idea • Pinpoint key details, major details, and minor details • Locate transitions and use them to understand a subject shift • Identify inferences and understand how they work • Put all the pieces of the text together in a way that improves comprehension
RI/RL/R1.5,2.5,3.5, 4.5	Lesson 5: Real World Application	• Apply pre-reading strategies to real world texts • Identify and learn new vocabulary in real world texts • Use graphic organizers to help understand and remember information from real world texts • Understand and apply the ideas from real world texts

Unit 3: RTCA Math		
MP1	Lesson 1: Introduction	• Determine the main idea in a passage • Identify a direct and implied main idea
1.MD.4	Lesson 2: Vocabulary Development	• Define supporting details • Evaluate a written passage and identify the supporting details • Differentiate between types of supporting details
1.OA.8, 2.OA.1	Lesson 3: Graphic Organizers	• Develop strategies for making inferences
1.OA.2, 3.OA.5, 3.OA.6	Lesson 4: Think Aloud	• Pose questions • Recall prior knowledge • Visualize the problem • Plan towards a solution • Estimate or approximate what the answer might be • Respond completely to answer the question
MP2, MP4	Lesson 5: Apply Your Knowledge	• Look for and define key terms • Identify context • Use graphic organizers to help solve problems • Use the “think aloud” process effectively