

UTAH MICROCREDENTIALS: DEVELOPMENT INVENTORY

Endorsement	Stack	Microcredential Title
Elementary Math Endorsement	Algebraic Reasoning	Algebraic Notation, Equality, Inequality
		Algebraic Properties and Conjectures
		Patterns
	Assessment and Intervention	Equitable Assessment Practices
		MTSS
	Geometry, Measurement, and Data	Analyze Characteristics and Properties
		Coordinate Plane
		Data Analysis and Problem Solving
		Understand and implement Concepts of Measurement
		Visualization, Composition, and Decomposition
	Number and Operations	Early Numbers and Counting
		Fluency
		Place Value
		Whole Number Addition and Subtraction
		Whole Number Multiplication and Division
	Rational Numbers and Proportional Reasoning	Addition and Subtraction with Rational Numbers
		Comparison and Equivalence
		Decimals and Percents
		Early Fractions Concepts
		Fraction Concepts
Multiplication and Division		
Proportional Relationships		
Elementary Science Endorsement	Systems in Science	Obtaining, Evaluating, and Communicating Information
		Developing and Using Models
		Planning, Implementing, and Reflecting
		Promoting Effective and Equitable Science: Level 2
	Stability and Change in Science	Construct Models and Explanations
		Analyze and Interpret Data
		Plan, Implement, and Reflect on Science Instruction
		Effective and Equitable Science Instruction
	Nature of Science and Engineering	Developing Conceptual Understandings
		Nature Engineering
		Planning, Implementing, and Reflecting
		Effective and Equitable Instruction: Level 1
	Matter and Energy in Science	Developing and Using Models
		Science Discourse

		Planning, Implementing, and Reflecting
		Effective and Equitable Instruction: Level 2
	Classroom Practice in Science	Supporting Sensemaking
		Planning, Implementing, and Reflecting
		Effective and Equitable Instruction: Level 3
	Cause and Effect in Science	Investigations
		Asking and Refining Questions
		Planning, Implementing, and Reflecting
		Effective and Equitable Instruction: Level 2
	Elementary STEM Endorsement	STEM for Teaching K-6 Mathematics
RA Mathematics 2		
RA Mathematics 3		
RA Mathematics 4		
STEM for Teaching K-6 Science		RA Science 1
		RA Science 2
		RA Science 3
		RA Science 4
STEM for Teaching K-6 Tech and Engineering		RA Technology_Engineering
		RA Technology_Engineering
		RA Technology_Engineering
		RA Technology_Engineering
Secondary ELA Endorsement	Critically Selecting and Teaching Texts	Selecting Complex Texts
		Analysis of Text
		Creating and Implementing Strategies
		Vocabulary
		Planning Effective Literature Instruction
		Assessment
	Creating Texts	Genres
		Mentor Texts
		Writing Prompts
		Assessing and Responding to Student Writing
		Planning and Teaching with Strategies for Writing Instruction
		Self and Peer Evaluation of Writing
	Speaking and Listening	Planning, Teaching, & Evaluating Speaking & Listening in ELA
		Facilitating Equitable and Inclusive Dialogue in Small-Group & Whole-Class Discussion
	Adolescent Literacy Development	Learning Environments Impact on Adolescent Literacy Development
		Instructional Practices Impact on Adolescent Literacy Development

	Language and Sociolinguistics	Planning and Implementing Elements of Language Instruction: History, Culture, and Environment Using Word Study to Improve Reading Comprehension Planning and Implementing Elements of Language Instruction: Structure and Conventions
Secondary Science Endorsement	3D Science and Engineering	Nature of Science and Nature of Engineering
		CCCs - Progressions/Connection to other 3Ds
		SEPS - Progressions/Connections to other 3Ds and NOS
		DCIs - Progressions
		Phenomenon-Based Teaching & Learning
		Equity and Accessibility
		STEM and Society
		3D Science Assessments (Formative/Summative)
	Science Teaching Methods	Student Sensemaking
		Instructional Models (5E, Inquiry, Direct instruction)
		Knowledge of Students and the Learning Environment
		Curriculum creation/review/adoption
		Student Discourse, Collaboration, and Consensus
		Integration with math, ELA, other STEM disciplines
Professional Collaboration and Ongoing Learning		
Ed Tech Endorsement	Competency 1	TBD
		TBD
		TBD
	Competency 2	TBD
		TBD
		TBD
	Competency 3	TBD
		TBD
		TBD
	Competency 4	TBD
		TBD
		TBD
TBD		
	Mentoring	Analyzing Teacher Practice
Co-Teaching		
Coaching Conversations		
Guided Observations		

		The Coaching Cycle
		The Mentoring Relationship
Equity Literacy and Cultural Responsiveness		Five Shifts to Co-Creating Equity
		Recognizing and Preventing Implicit Bias
		Supporting American Indian and Alask Native Students
School Social Work - Record Keeping and Privacy		FERPA/HIPAA
		Child Find
Utah Museum of Natural History		Research Quest
Lean Think		Lean Think Foundations
		Lean Think Organization Six Sigma
		Lean Think Combating Waste
		Lean Think Tools
		Lean Think Kaizen
Fine Arts Integration		Music Integration Implementation
		Visual Art Integration Implementation
		Theater Integration Implementation
		Dance Integration Implementation