



# KATI MARSHALL PROJECT PRESENTATION

"Bridging Digital Spaces: Connecting Accessibility and  
Learning Theories Across Web and Learning Environments"  
April 23, 2025





# Kati Marshall

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- WOU Class of 2025
- PCC Instructor
- Certified Veterinary Technician
- OHSU West Campus Manager & Trainer



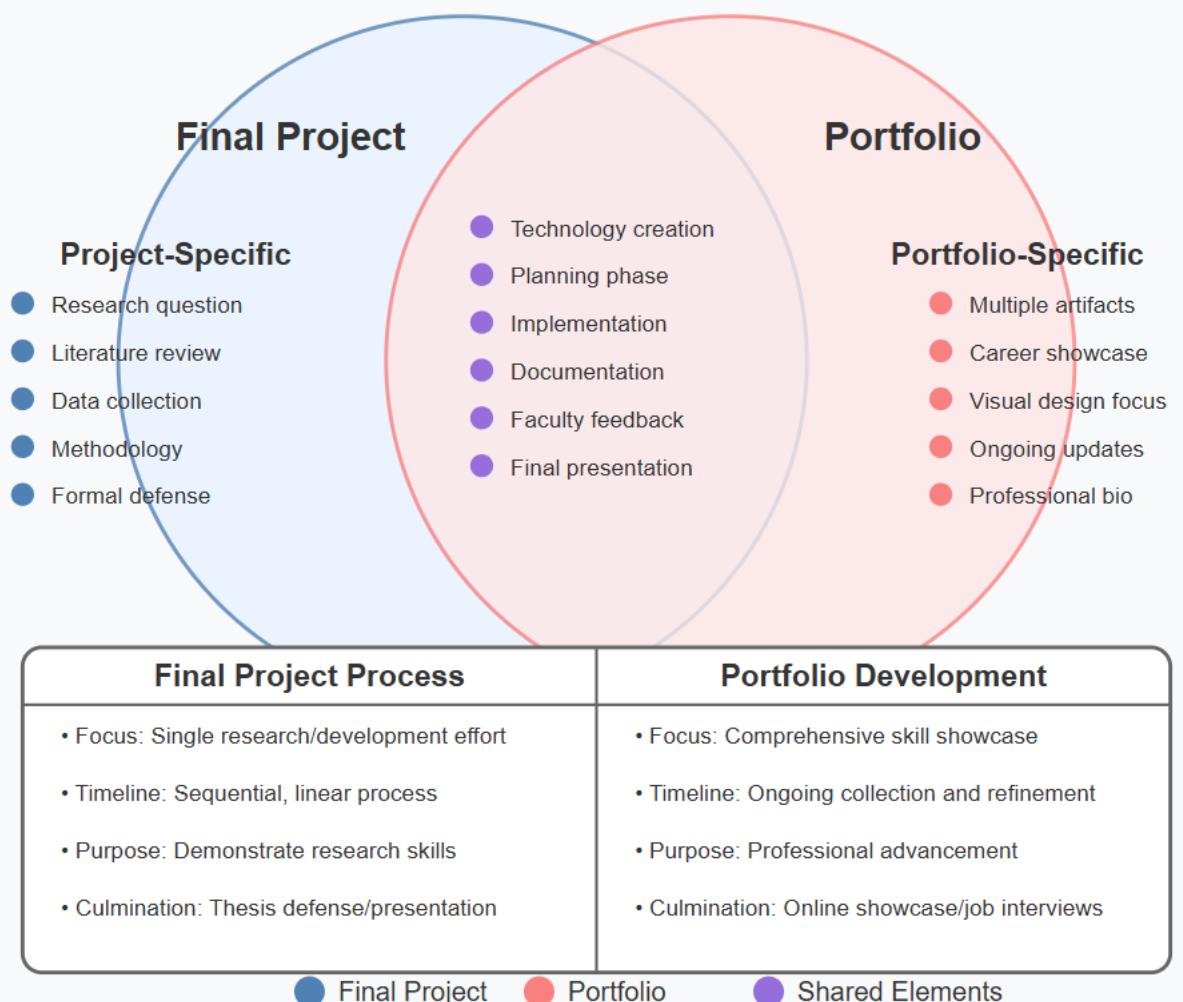
- Why an EdTech major?



# Project vs Traditional Portfolio

- My portfolio selection
- My Standards selection
- My two projects

## Final Project vs. Portfolio Development in Educational Technology

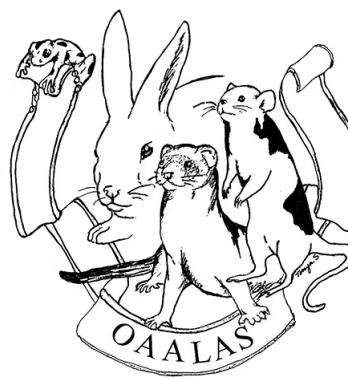




# Project Artifacts

## ACCESSIBLE LEARNING: THE OAALAS CERTIFICATION WEB SITE

Home - What is OAALAS? | ALAT & LAT Information | Looking for Employment? | Forum | More



### Accessibility Implementation & User Experience Design

#### Target Audience & Approach

- Designed for older learners with limited internet experience
- Focuses on accessibility, simplicity, and user-friendly navigation
- Follows W3C Web Accessibility Initiative (WAI) guidelines and WCAG 2.1
- Deliberately low-tech without flash elements
- Designed to enhance learning without technical distractions

#### Navigation & Structure

##### Fixed Header Menu

- "Frozen" header remains visible while scrolling
- Provides consistent access to navigation

##### Content Organization

- Lectures on a single page with clear hierarchies
- Streamlined format prevents information overwhelm

#### Multimedia & Content Accessibility

##### Captioned Video Content

- Webex integrated transcripts and captioning
- Supports deaf or hard-of-hearing users

##### Alternative Text

- Comprehensive alt-text for all images
- Ensures access for screen reader users

#### Visual Design Elements

##### Enhanced Typography

- Larger text sizes and sans-serif fonts
- Improves readability for vision impairments

##### Generous White Space

- Reduces visual clutter and cognitive load

##### Responsive Text Wrapping

- Eliminates horizontal scrolling

##### Large Interactive Elements

- Appropriately sized buttons and clickable elements
- Easier for users with reduced motor control



**AECT 1:  
Design**  
Creating effective learning experiences & environments

### 1.1 Creating

- Learning objectives. Course Structure

### 1.2 Using

- Content organization, UI design

### 1.3 Assessing/Evaluating

- User testing. Content Reviews

### 1.4 Managing

- Study schedules. Navigation

### 1.5 Ethics

- Accessibility features

**AECT 2:  
Development**  
Creating instructional materials & experiences

### 2.1 Creating

- Narrated PowerPoints. Videos

### 2.2 Using

- Multimedia integration

### 2.3 Assessing/Evaluation

- Content quality review

### 2.4 Managing

- Content Updates. Version control

### 2.5 Ethics

- Citation of sources

**AECT 4: Management**  
Planning, organizing, & coordinating resources

### 3.1 Creating

- Self-paced Learning modules

### 3.2 Using

- Adaptive learning paths

### 3.3 Assessing/Evaluating

- Usage analytics

### 3.4 Managing

- Access control. User support

### 3.5 Ethics

- Data privacy practices

**AECT 3: Utilization**  
Using processes & resources for learning

### 4.1 Creating

- Progress tracking systems

### 4.2 Using

- Resource organization

### 4.3 Assessing/evaluating

- Resource utilization analysis

### 4.4 Managing

- Important abbreviations

### 4.5 Ethics

- Transparent data policies

### 5.1 Creating

- Pre/post assessments

### 5.2 Using

- AALAS Exam Prep

### 5.3 Assessing/evaluating

- Question analysis

### 5.4 Managing

- Assessment results

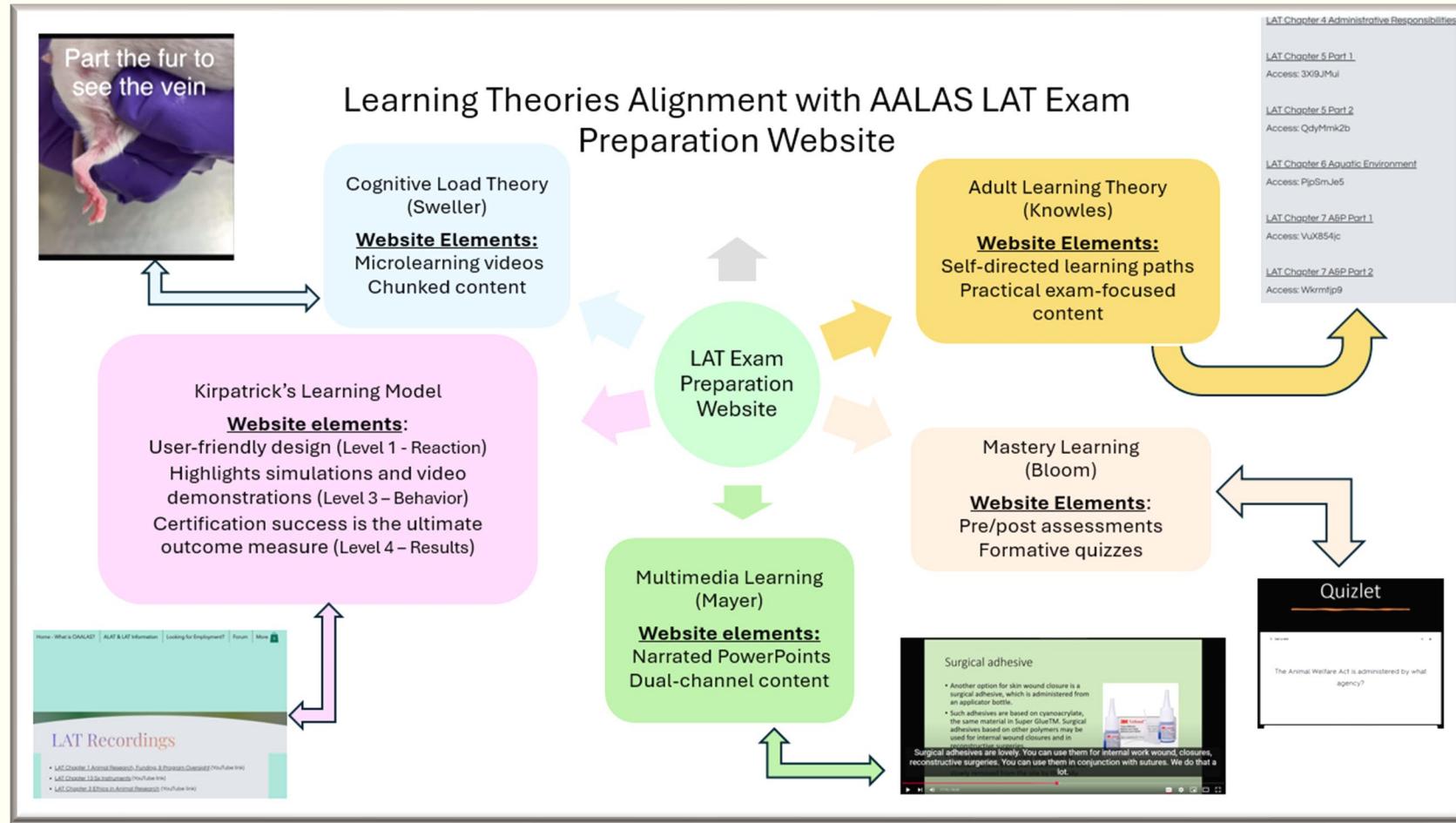
### 5.5 Ethics

- Fair assessment practices

**AECT 5:  
Evaluation**  
Assessing adequacy of instruction & learning



# Website Artifacts





Home

Announcements

Modules

Discussions

Quizzes

Grades

Syllabus

People

Files

Lucid (Whiteboard)

▶ ALAT Chapter 1: Field of Laboratory Animal Science

▶ ALAT Chapter 2: The Research Environment

▶ ALAT Chapter 3: Facility Security

▶ ALAT Chapter 30: Fish

▶ ALAT Chapter 31: Amphibians

▼ ALAT Chapter 32: Ferrets

▼ ALAT Chapter 2: The Research Environment

Lecture & Discussion: ALAT Chapter 2 - The Research Environment

Quizlet ALAT Ch 2.mp4

Quiz - ALAT Chapter 2

16 pts

# Artifact Element – Content Development



# Abbreviations to memorize

- AAALAC: Association for Assessment and Accreditation of Laboratory Animal Care International. It's a private, nonprofit organization that promotes humane treatment of animals in science through voluntary accreditation programs. Think of it as a seal of approval for animal care in research facilities.
- ACP: This refers to the Animal Care Panel, a group started by veterinarians who specialized in laboratory animal medicine. It is now American Association of Laboratory Animal Science (AALAS).
- USDA: United States Department of Agriculture. A federal agency that oversees various aspects of agriculture, including the welfare of animals. They enforce the Animal Welfare Act and Animal Welfare Regulations.
- APHIS: Animal and Plant Health Inspection Service. This is a part of the USDA. APHIS is specifically responsible for enforcing the Animal Welfare Act and regulating the transportation of animals
- IACUC: Institutional Animal Care and Use Committee. This is a committee present at each research institution that uses animals. They review and approve all research protocols involving animals to ensure ethical treatment and compliance with regulations.
- IO: The Institutional Official. This is the person at a research institution who is ultimately responsible for the institution's animal care and use program.

## Artifact Element – Glossary

# Learning objectives

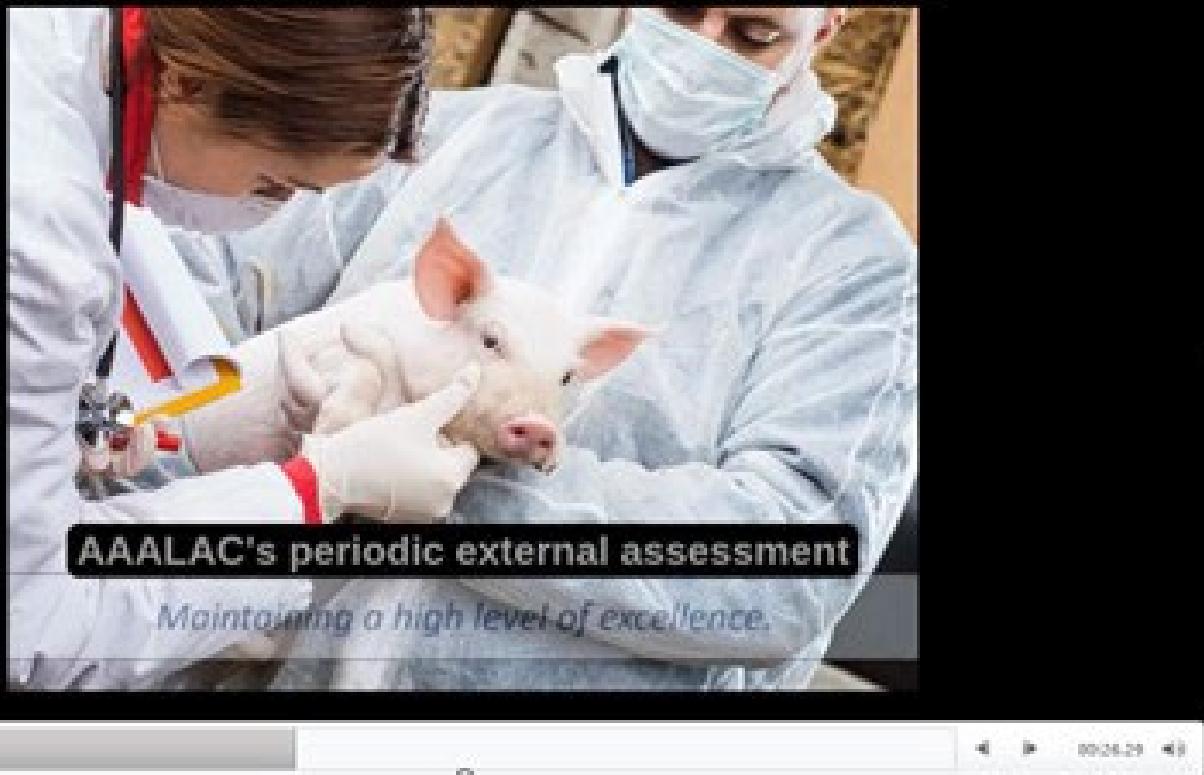
- Identify the organizations that regulate laboratory animal care
- List standards specified in The Guide
- Recognize key elements of the AWA, AWR, PHS Policy
- Define each of the 3Rs
- Describe animal welfare concerns, to whom they are to be reported, and how that process occurs.



## Artifact Element – Learning Objectives

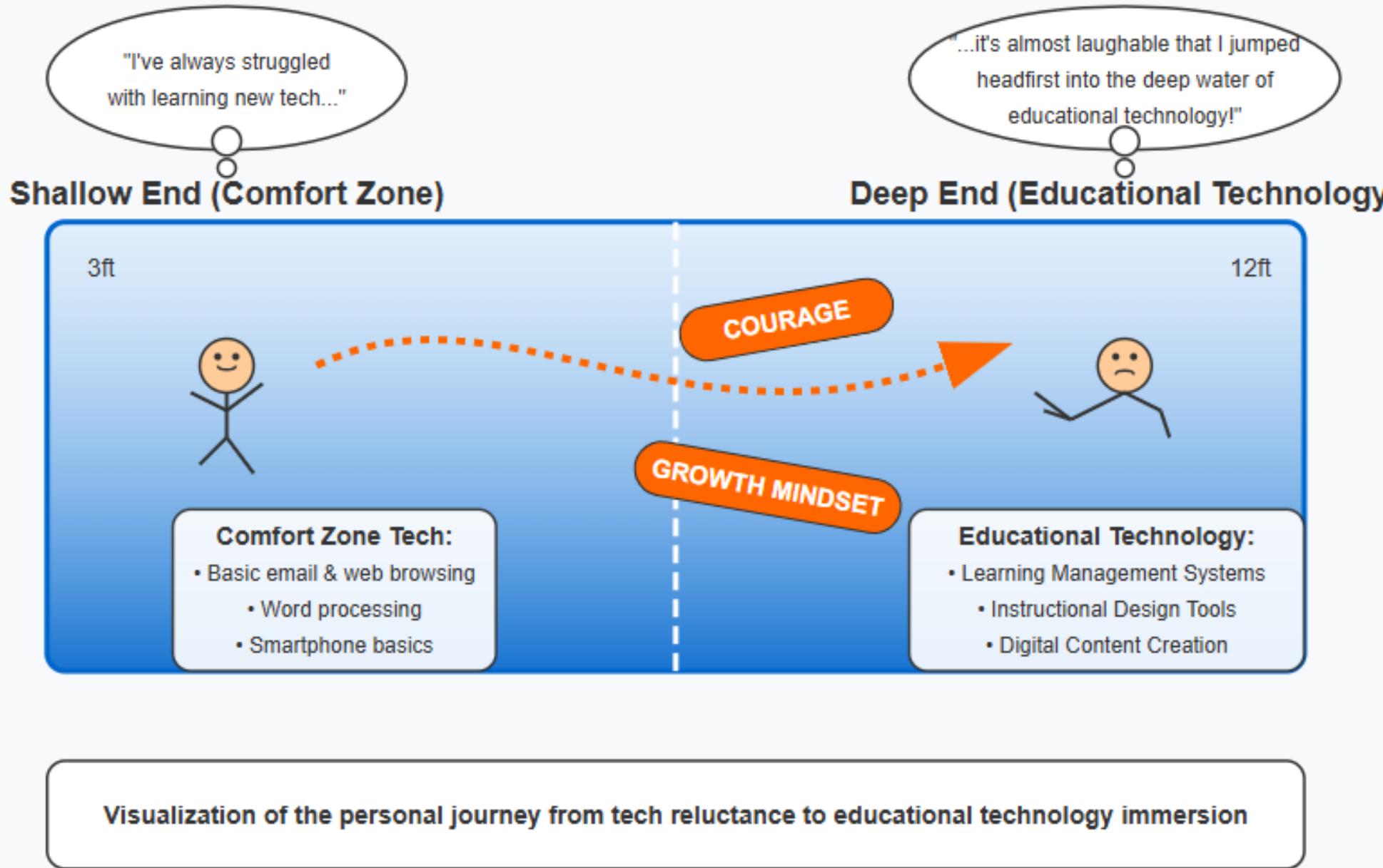


## Facility Accreditation: AAALAC International



## Artifact Element – Microlearning

# From Tech Struggles to Educational Technology Dive



## Bridging Digital Spaces: Lessons Learned and Paths Forward

Image developed with Claude.AI



## Links

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- Portfolio website: <https://sites.google.com/view/katimonk/home?authuser=0>
- OAALAS website: <https://oaalas.wixsite.com/oaalas>
- Canvas: <https://canvas.instructure.com/courses/6007330>
- YouTube for course content video:  
[https://www.youtube.com/watch?v=CZWa\\_S6YKA8&list=PLEjSO0e7qf6yZq\\_8X96DeunsqH\\_MLauj0&index=3](https://www.youtube.com/watch?v=CZWa_S6YKA8&list=PLEjSO0e7qf6yZq_8X96DeunsqH_MLauj0&index=3)