



Operation Excellence with Educators

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COLLEGE of
AGRICULTURE *and*
APPLIED SCIENCES

UtahStateUniversity®

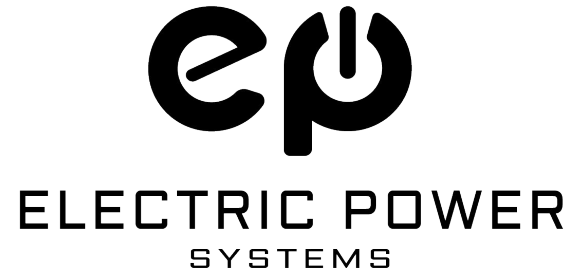


Platinum Partnership





Gold Partnership





Silver Partnership

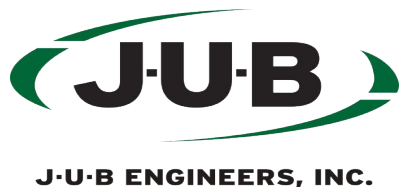


**Governor's Office of
Economic Opportunity**





Bronze Partnership



Exhibitor Partnership



XeVISION



LSI



SkyWest
AIRLINES



ALPINE AIR
EXPRESS



SILENT **F** FALCON™



THALES
Building a future we can all trust



virtower™





Mobile App Partner



Snack Break Partner



Attendee Bag Partner



Evening Reception Partner



AOPA Rusty Pilots Seminar Partner



AXIOM AVIATION





Speakers



Amy Monson



Shalyn Drake



ENDORSEMENT & EXPECTATIONS

- USBE Endorsement (Associate Level)
 - Part 107
 - 10 Logged Flight Hours
 - Sage Bowman – saige.bowman@schools.Utah.gov
- Drone Program Expectations
 - Create socially responsible pilots
 - Basic understanding of how drones work
 - Drones AND...
 - Help students *discover*
 - YOUR students



Concurrent Enrollment Info

- AV 1900 (UAS)
 - Complete UAS I Foundations Online Educator Course
 - Complete UAS IV Basics Summer camp
 - UVU & SUU
- AV 1910 (UAS Lab Build Design Maintain)
 - Complete UAS II Flight Lab Discovery Online Educator Course
 - Complete UAS V Exploration Summer camp
- AV 1920 (UAS LAB Intermediate Flight)
 - Complete UAS III Flight Lab Implementation Online Educator Course
 - Complete UAS VI Log and Plan summer camp



Backward Design

- Start with your end goal
- Consider your level of expertise
- Realize they *know nothing*
- Write down the steps you need to take to get them to the goal
- Follow an “I Do” “We Do” “You Do” structure
 - Emulation
- Employ constant informal assessment



Example

- **END GOAL:**
 - Students will understand types of controlled and uncontrolled airspace, how to locate them on a sectional, and how to identify floors and ceilings of that airspace
- **Skills: Identifying airspace on a sectional**
 - Transferring content to knowledgeable action
 - Applying legend information
- **Content: Airspace vocabulary**
 - Alpha, Bravo, Charlie, Delta, Echo, Golf
 - 18,000; 1200; surface
 - Solid blue, dashed blue, solid magenta, dashed magenta, gradient magenta
 - Floor & ceiling



Example

- Class Delta:
 - Dashed blue with a dashed box and number
- I Do We Do You Do
 - White boards both ways
 - Skyvector/Supplement



Example

- USBE Standard:
 - Strand 1: Students will gain an understanding of current Federal Aviation Administration (FAA) Small Unmanned Aerial Systems (sUAS) laws and standards required to fly drones legally in the National Airspace System (NAS).
- Why
 - You ARE a pilot and need to understand the space you're operating in, plus the other people who are also operating in that space.
 - Get certified



USBE Standards

- USBE Pathway:
 - UAS
 - UAS Lab Intermediate Flight
 - UAS Lab Build Design Maintain
 - UAS Lab Exploring Industry Applications
 - UAS Lab Capstone
- Online
 - UAS
 - Some drafts out of others



Connecting Current Events to Historical Events

The Past Is Present: Strategies for Bringing Current Events Into the Social Studies Classroom - By Michael Gonchar
New York Times

Connecting Through Essential Questions

Connecting by Theme

Connecting by Event

Connecting by Place

Connecting by People

Connecting by Historical Text or Artifact



USS Salt Lake City

Connecting by
Event



Connecting by Essential Questions, Events & People

9/11 Terrorist Attacks

1. Understand laws and industry regulations that came about due to the terrorist attacks.

Think about going through an airport to catch a flight. What came about, what is different because of 9/11

2. Evaluate the impact of 9/11 on the US, the aviation industry and how are those impacts still felt today.

What happened that day? What changed about the aviation industry (airlines, economy, ATC, GA, etc) and does that impact the industry/you today.

3. Use a primary source to understand the events of the 9/11 attacks and how they impacted individuals. Conduct an interview of someone working in the military/aviation industry on 9/11.

Work on those soft skills, interview skills, developing curiosity about an event or someone else's life and career.



Network & Collaborate

- Small groups to discuss
 - Engagement strategies
 - Strengths & weakness
 - What you need help with?
- Spokesperson shares with entire group
 - How can we help you? How can we help each other?
 - Aha moments
- Share contact info
- Open discussion/Q&A



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