Data Dig: Across State Lines
Can you dig it?

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Tonya Gerharter, CTE Consultant - Wyoming Department of Education
Link to Slides

bit.ly/DataDigAcrossStates
Who is in the room?

- Institutional Researchers
- CTE Directors
- Adult Education Coordinators
- Teachers
- District/College Leadership
- Others?
Big Ideas

• Partnership across states
• Data focused discussions and decision
• Planning process (local) with CTE stakeholders to determine gaps and needs
• Determine Customized Services to fill the gaps revealed in data
Start with:

~Simon Sinek
Why?

- Service decisions were linear
- Justification of services offered/satisfaction assumptions
- No evidenced based measurement of programs implemented
- No data used to make planning decisions and adjustments
- Collectors of data in isolation, not in correlation with each other
- No services were cross-walked
Across State Efforts
Partnerships

• Nebraska – SIMPL*
  • Grassroots effort of continuous improvement using data at an agency level

• Wyoming – WyoSIMPL
  • Looking for solution to ID gaps
  • CTE Focused

• *SIMPL means Service Implementation Matrix Process and Log
SIMPL Stages

**Data Dig**
- Determine Data Resources
- Identify Challenges and Opportunities
- Prioritize
- Generate Theory of Action
- Hypothesize Impact on Education

**Services Planning**
- Determine Key Services
- Customize Services per District

**Implementation**
- Evaluate Implementation Levels
- Activity Log
Stakeholders

**Wyoming**
- 21 Public School Districts
- 1 Community College
- 1 Board of Coop. Education Services (or BOCES)
- 2,600 teachers
- 13,400 students

**Nebraska**
- 19 Public School Districts
- 36 School Buildings
- 3,673 Square miles
- 1,200 teachers
- 13,000 students
Number and Percentage of Participants
Who was in the room?

**Wyoming – WyoSIMPL**
- Superintendents
- Principals
- CTE Teachers
- Curriculum Coordinators
- College Deans
- CTE Academy Directors

**Nebraska – SIMPL**
- Superintendents
- Principals
- Educational Service Unit providers
- Teacher (input)
With a partner...

Discuss the questions on the following slide...
How do you know...

...students are learning what is taught by your CTE teachers?

...CTE teachers who receive trainings have learned what was ‘taught’?

...school districts and colleges are using the information provided to them?
Start with the end in mind...
~Stephen Covey

Student Achievement
Why Use a Comprehensive Process?

Section 8101(21)(A) of ESSA* requires:

• Data driven

• Evaluates the impact of services provided

• Predicts how the intervention is likely to improve outcomes

• How to replicate successful services elsewhere

• Resources to demonstrate cost savings to school district

* ESSA means Every Student Succeeds Act
Identify Necessary Data

Advisory Group
• Superintendents/Statewide Local Leadership
• July (year prior)

Data Sources
• Wyoming Department of Education District-Level Data
• Perkins IV* Data
• Workforce Data
• Employment Projections
• AQuESTT Accountability for a Quality Education System, Today and Tomorrow
• ESU Service participation
• NeSA radar charts NE State Accountability Tests
• School Improvement (goals, data, gaps)

* Perkins IV means the Carl D. Career and Technical Education Act of 2006
Identify Challenges and Opportunities

Prioritize

- Funding
- Partnerships
- Communication & Marketing
- Other Opportunities
- Local Data
- State Data
- Technology
- Access to Educational Opportunities
Identify Challenges and Opportunities

September - October

- Other Opportunities
- Local Data
- State Data
- Technology
- Access to Educational Opportunities
- Funding
- Communication & Marketing
- Partnerships
Prioritize

September - October

Diagram:
- Other Opportunities
- Local Data
- State Data
- Technology
- Access to Educational Opportunities
- Funding
- Communication & Marketing
- Partnerships

Legend:
- HIGH
- LOW
What is your highest priority?

- Access to Educational Opportunities
- Communication & Marketing
- Funding
- Partnerships
- Technology
- State Data
- Local Data
- Other Opportunities
Generate a Theory of Action

October - December

<table>
<thead>
<tr>
<th>How might we...</th>
<th>How might we...</th>
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<th>How might we...</th>
<th>How might we...</th>
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</thead>
<tbody>
<tr>
<td>Academic and CTE Integration</td>
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<td>Completion and Graduation Rates</td>
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<td>Post-Secondary Placement</td>
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<td>Technical Skill Attainment</td>
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<td>Nontraditional Participation</td>
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<tr>
<td>Other</td>
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</table>
Hypothesize Impact

![Impact Diagram](image-url)
Determine Key Services

- List the current services provided to the districts each on a separate piece of 11x17 paper and hang around the perimeter of the room.
- Given How Might We and Priorities, what new supports need to be added?
- What services will fill the gaps? Create new 11x17 papers listing them.
Determine Key Services

• Large dots identify priorities which will assist in filling gaps for districts identify Challenges and Opportunities colleges

• Teams place large dots on the corresponding posters listing services
What would you do with $10 million?
### CTE Service Plan

#### Facilitation of Funding Opportunities

<table>
<thead>
<tr>
<th>Providing funding for CTE program, cluster/pathway development and teacher professional development.</th>
<th>Marketing</th>
<th>Facilitating Discussion on Critical Issues</th>
<th>Professional Development</th>
<th>Technical Skill Attainment</th>
<th>Partnerships</th>
<th>Technical Assistance</th>
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</thead>
<tbody>
<tr>
<td>Professional Development Grants</td>
<td>Marketing CTE</td>
<td>CTE Teacher Certification</td>
<td>Project Based Learning</td>
<td>Industry Certifications</td>
<td>Industry Partnerships</td>
<td>Perkins (Federal) TA</td>
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<tr>
<td>WACTE Grants</td>
<td>Marketing CTSOs</td>
<td>Hathaway Curriculum</td>
<td>Cluster/Pathway Related Workshops</td>
<td>Assessment Development/Content</td>
<td>Post-Secondary Partnerships</td>
<td>State TA</td>
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<tr>
<td>Demonstration Project Grants</td>
<td>Data template for district for sharing and reporting</td>
<td>Project ECHO in Career Development</td>
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<tr>
<td>Institutional Grants</td>
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</tbody>
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**WyoSIMPLE**

**ESU7**

**Wyoming Department of Education**
## CTE Service Calendar

<table>
<thead>
<tr>
<th>September 2017</th>
<th>Marketing</th>
<th>Critical Issues</th>
<th>PD</th>
<th>Technical Skill Attainment</th>
<th>Partnerships</th>
<th>Technical Assistance</th>
</tr>
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<tbody>
<tr>
<td><strong>09/1:</strong> Scholarship for Culinary Conference closes (101.00)</td>
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<td><strong>09/13:</strong> CTE District Data Infographic/Marketing Tool Template Available – will be emailed (203.00)</td>
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<td><strong>09/20:</strong> Critical Issues Working Group Meeting #1 - Hathaway @ Ramkota, Casper (302.00)</td>
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<td><strong>9/4,11, 18, 25:</strong> UW ECHO in CTE &amp; Career Development: 3:45 - 5:00 PM - Join <a href="#">HERE</a> (403.00)</td>
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<td><strong>9/11-12:</strong> AET &amp; Record Keeping – Ag Teachers, Cheyenne (402.03)</td>
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<td><strong>9/17-20:</strong> Wyoming CTE Assessment Revisions - Marketing, Ag Mechanics, Ag &amp; Natural Resources (502.00)</td>
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<tr>
<td><strong>10/2:</strong> CTSO State Data Infographic/Marketing Tool Available <a href="#">HERE</a> (202.00)</td>
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<tr>
<td><strong>10/2,9,16,23,30:</strong> UW ECHO in CTE &amp; Career Development: 3:45 - 5:00 PM - Join <a href="#">HERE</a> (403.00)</td>
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<tr>
<td><strong>10/2-3:</strong> Wyoming CTE Assessment Revisions - Drafting, Cabinetmaking, Manufacturing, Residential Carpentry (502.00)</td>
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<tr>
<td><strong>10/11-12:</strong> Non-Traditional Pipeline Rollout - NAPE - Casper College - More information <a href="#">HERE</a> (701.06)</td>
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SIMPL: Nebraska ESUs Providing Excellent Service

**AQUESTT SUPPORT**
Number of services supporting the tenet.

- **46**

**TOP 10 SERVICES**
Number of schools using the service.

- **158**

Educator Effectiveness

HAL High Ability Learners
Next Steps

**Wyoming**
- Integrate Scoring/Evaluation Tool
- Move to Web-Based SIMPL Tool (Data Dashboard)
- Expand SIMPL process to other programs and divisions within the Wyoming Department of Education

**Nebraska**
- Continue to add Pilot ESUs
- Demonstrate Cost Analysis and Value Add
- Repository of online resources
- Predictive Analytics
Contact Us

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Up Next...

- Virtual Office Break from 3:15-3:30
- Collaboration Roundtables start at 3:30