



THE OHIO STATE UNIVERSITY

WebXam Update: Ohio ACTE 2022



Your Presenters



Richard Huggins
Systems Developer/Engineer



Sean Hickey
Program Co-Lead



Bridget McHugh
Program Lead



Agenda

- WebXam Information and Updates
- Test Delivery, Development and Recruitment
- Psychometrics and Test Security



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WebXam Info and Updates



Richard Huggins
Systems Developer/Engineer



WebXam Updates for 2022-2023

- WebXam Testing Calendar
- Pretesting credits
- New student experience
- New Test Activation process
- CTAG Testing and Assent Report
- WebXam Roadmap



WebXam Testing Calendar

Please visit:

news.WebXam.org/Calendar



WebXam Testing Calendar

Important Dates

Fall Pretesting Window: 8/15 – 9/30

Post-testing: 10/10 – 6/2

Winter Pretesting Window: 1/2 – 1/27

Field-testing 10/10 – 4/21

No specific testing window for Teacher Effectiveness this year, districts should schedule Post-testing in combination with pretesting to meet their OTES reporting deadlines.



Field Testing

This year the Transportation Career Field is in field testing.

- Field tests include more items, plan for additional time to complete testing
- Field tests have **no Pretests**. If you use WebXam Pretests for OTES, please make other arrangements for evaluating Student Gain



Pretesting Credits

- Credits remain \$2 per test delivered and can be paid for with a Purchase Order or by Credit Card.
- Credits can be added to your administrative account for later assignment to teachers.
- Credits added to your administrative account cannot be used until they are assigned to teacher.



Student Experience

- The page students see while testing has been completely redesigned:
- New Features Include:
 - Modern design
 - Ability to mark questions for later review
 - More responsive layout
 - Faster loading
 - Dark mode available
- Let's take a look...



The New Testing Page



00:07:42



01PR Demo Test
Question **6** of **10**

Allyson HAMILTON

Submit Test

Show / Hide Item Navigation

The speed of light is approximately

- ☐ 299,792,458 miles per hour.
- ☐ 1,079,252,848 miles per hour.
- ☐ 186,282 miles per hour.
- ☐ 670,616,629 miles per hour.

< Previous



Mark for Review

Next >



Legend

- Answered
- Not Answered
- Current
- Not Viewed
- Marked For Review



Options located under the gear



00:07:18



01PR Demo Test
Question 6 of 10

The speed of light is approximately

- ☐ 299,792,458 miles per hour.
- ☐ 1,079,252,848 miles per hour.
- ☐ 186,282 miles per hour.
- ☐ 670,616,629 miles per hour.

< Previous



Mark for Review

Next >

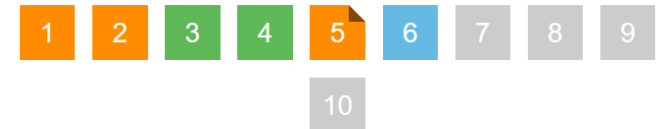
Allyson I

Toggle Dark Mode

Emergency Exit Test

Submit Test

Show / Hide Item Navigation



Legend

- Answered
- Current
- ▲ Marked For Review
- Not Answered
- Not Viewed



Dark mode



00:06:53



01PR Demo Test
Question 6 of 10

Allyson HAMILTON

Submit Test

Show / Hide Item Navigation

The speed of light is approximately

- ☐ 299,792,458 miles per hour.
- ☐ 1,079,252,848 miles per hour.
- ☐ 186,282 miles per hour.
- ☐ 670,616,629 miles per hour.

< Previous



Mark for Review

Next >





Legend

- Answered
- Not Answered
- Current
- Not Viewed
- ▴ Marked For Review



Responsive view


 WebXam00:06:16 

01PR Demo Test
Question **6** of **10**

The speed of light is approximately

- ☐ 299,792,458 miles per hour.
- ☐ 1,079,252,848 miles per hour.
- ☐ 186,282 miles per hour.
- ☐ 670,616,629 miles per hour.

< Previous


Mark for Review
Allyson HAMILTON

Next >

Submit Test

Show / Hide Item Navigation

1

2

3

4

5

6

7

8

9

10

Legend

■ Answered

■ Not Answered



New Test Activation process

- Students no longer use passwords that do not change to take tests. Instead access codes are assigned for each testing session.

Why?

- This enhances the security of the WebXam platform
- Secures student accounts for additional uses, such as CTAG Data-Sharing Assent review and viewing reports



About Access Codes

- Access codes can be downloaded at the end of the Test Activation process or via the Activation Report
- New options for downloading are available
- Access codes are NOT case-sensitive
- Access codes will work from 1 hour before the testing window to one hour after the testing window closes
- If a student is taking multiple tests the same day, all tests will use the same access code.



Student Roster Page

When no tests are activated, the Access Code column will be blank

WebXam

Home Documentation Quick Start

Support Demo BUCKEYE

Secondary Student

List

New

Upload

Upload History

Activate Test

Reports

New Reports Preview

Pathway

Accommodations

Select a pathway to filter by

Select accommodations to filter

Bulk Action

Apply

Show Access Codes

Show Archive

Invalid SSIDs

Search:

| <input type="checkbox"/> | Expand | Last Name | First Name | Username | Grade | Location | Access Code | Status |
|--------------------------|--------|-----------|------------|------------|-----------|----------------|-------------|----------|
| <input type="checkbox"/> | | ADAMS | Ashlynn | demo.84788 | Freshman | Demo 43 School | | Disabled |
| <input type="checkbox"/> | | ADAMS | Aspen | demo.8260 | Senior | Demo 43 School | | Enabled |
| <input type="checkbox"/> | | ADAMS | Cristian | demo.90623 | Junior | Demo 43 School | | Enabled |
| <input type="checkbox"/> | | ADAMS | Dakota | demo.26202 | Sophomore | Demo 36 School | | Enabled |
| <input type="checkbox"/> | | ADAMS | Dean | demo.52212 | Senior | Demo 43 School | | Enabled |
| <input type="checkbox"/> | | ADAMS | Dean | demo.80272 | Senior | Demo 43 School | | Enabled |
| <input type="checkbox"/> | | ADAMS | Derek | demo.87423 | Junior | Demo 43 School | | Enabled |
| <input type="checkbox"/> | | ADAMS | Dominic | demo.46133 | Senior | Demo 43 School | | Enabled |
| <input type="checkbox"/> | | ADAMS | Elisa | demo.33958 | Senior | Demo 43 School | | Enabled |



The Last Step in Test Activation

Once a test session is activated, an Access Code is assigned

Activation Start Time ▼

Select the Students

Show

All ▼

 entries Search:

Legend: 🚩 Extended Time
🚩 A Reader is Required

| <input type="checkbox"/> | Last Name | First Name | Username | Access Code/Password | Location | Activation Window |
|--------------------------|-----------|------------|------------|----------------------|----------------|----------------------|
| <input type="checkbox"/> | FRANKLIN | Ali | demo.93113 | 8KWXA8 | Demo 43 School | 12:26pm - 1:26pm EDT |
| <input type="checkbox"/> | Last Name | First Name | Username | Access Code/Password | Location | Activation Window |

Showing 1 to 1 of 1 entries

Download Activated ▼

Previous

1

Next



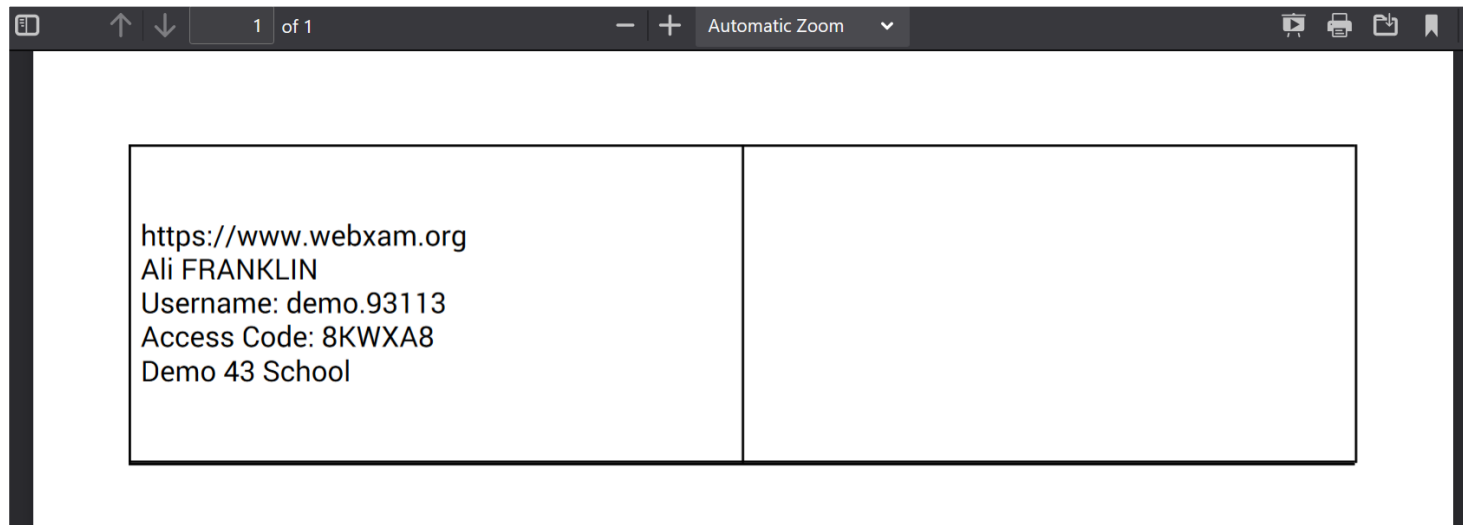
New options for downloading logins

The classic CSV option is available, plus 2 PDF options





PDF 2-column display





Student Roster Page

Once a test has been activated, its access will be available

Home

Documentation

Quick Start

Impersonate

Support

Richard Huggins

Adult Student

Secondary Student

List

New

Upload

Upload History

Course Grade Uploads

Activate Test

Reports

New Reports Preview

Stats

There are 5 archived account(s) that match this search, would you like to **show them?**

Bulk Action

Apply

Show Access Codes

Show Archive


Invalid SSIDs

Search:

| | Expand | Last Name | First Name | Username | Grade | Location | Access Code | Status |
|--------------------------|--------|-----------|------------|------------|--------|----------------|------------------|---------|
| <input type="checkbox"/> | | ALLEN | Ainsley | demo.40561 | Senior | Demo 43 School | | Enabled |
| <input type="checkbox"/> | | FRANKLIN | Ali | demo.93113 | Junior | Demo 43 School | 7/20/2022: 8KWX8 | Enabled |
| <input type="checkbox"/> | | JEFFERSON | Allen | demo.37991 | Junior | Demo 43 School | | Enabled |
| | Expand | Last Name | First Name | Username | Grade | Location | Access Code | Status |



The Activations Report

[Home](#)[Documentation](#)[Quick Start](#)[? Support](#)[Demo BUCKEYE](#)

[Home](#) / [Report](#) / [Activations](#)

Activations Report

Select a date and time to see all test activations at that time, or leave the date field blank to see all upcoming/current activations. Use the green plus to see all test takers in a session.

Location

Show All Locations

Teacher

BUCKEYE, Demo (demo.1)

Activated at

(Leave blank to see all upcoming activations)

[Home](#)[User Search](#)[Order Test](#)[Administrator](#)[Teacher](#)[Assessor](#)[Adult Student](#)[Secondary Student](#)[Activate Test](#)[Reports](#)

[Summary](#)[Testing](#)



The Activations Report

Logins can also be downloaded from the Activation Report

Report Results

Copy Excel CSV PDF Search:

| | First Name↑↓ | Last Name↑↓ | Test | Start Time↑↓ | Test Takers↑↓ |
|--|--------------|-------------|--|---------------------|---------------|
| | Nylah | ASHTABULA | 010105 Agriculture, Food and Natural Resources | 07/20/2022 12:26 PM | 1 |

| First Name | Last Name | Test | Username | Password |
|------------|-----------|--|------------|----------|
| Ali | FRANKLIN | 010105 Agriculture, Food and Natural Resources | demo.93113 | 8KWXA8 |

Download Activated

- CSV
- PDF - 2 columns
- PDF - 3 columns

Showing 1 to 1 of 1 entries

Previous 1 Next



CTAG Assent Report

- The CTAG Assent Report was added as a preview during the last school year
- The report allow teachers and administrators to see whether students assented to data-sharing with Higher Education for college credit
- For tests taken in the current school year, a window can be opened for the student to update their assents



CTAG Assent Report

Use “Schedule Update” for the student to update their assents.

| Report Results | | | | | | | | | |
|--------------------|-----------|-----------|-----------------------------------|------------------------------|-----------|-----------|----------------|---------------|---------------------------------|
| Copy Excel CSV PDF | | | | Search: <input type="text"/> | | | | | |
| First Name | Last Name | Test | Performance Standards | | Test Date | % Correct | Score | Assent Status | |
| | | | Proficient | Advanced | | | | | |
| | Oscar | ASHLAND | 175003 - Manufacturing Operations | 60% 90% | 5/11/2022 | 35% | Not Proficient | | Schedule Update |
| | Jace | ASHTABULA | 175003 - Manufacturing Operations | 60% 90% | 5/11/2022 | 65% | Proficient | | Schedule Update |
| | Evelyn | ATHENS | 175003 - Manufacturing Operations | 60% 90% | 5/11/2022 | 48% | Not Proficient | | Schedule Update |
| | Makenna | BUTLER | 175003 - Manufacturing Operations | 60% 90% | 5/11/2022 | 48% | Not Proficient | | Schedule Update |
| | | | | | | | | | |



WebXam Roadmap

- WebXam will be enhancing CTE/FCS Program support over the course the next year.
- We will be adding features to simplify uploading, activating, reporting and assigning permissions for your programs.
- Some of you have helped us test some features associated with this work and we thank you for your assistance and time.
- In the longer term, WebXam will be implementing features to enhance the scalability and stability of the platform.



Reminders

- Test Security Rule Book

WebXam.org/Public/TestSecurityRuleBook

- Transportation is in Field Testing – so NO PRETESTS
- Pretesting Opens August 15th
- Update procedures to accommodate WebXam Access Codes

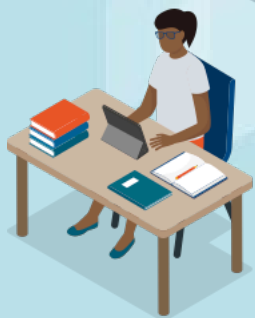


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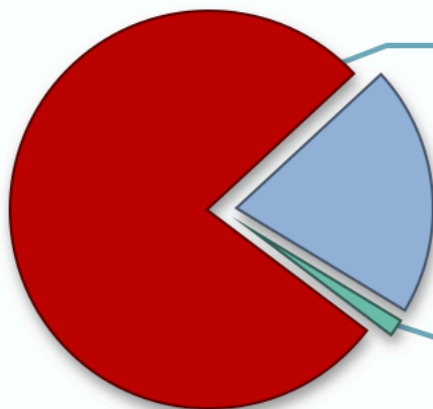
Test Delivery, Development & Recruitment



Sean Hickey
Program Co-Lead



Total Number of Tests: **369,618**



264,859 End-of-Course Tests delivered to
151,418 CTE students across **300** courses

70,006 Pretests delivered to students
across more than **275** courses

5,453 Practice Tests delivered to students in
38 courses



Testing Counts
Top 5 by District

1. Butler Co (15,243)
2. Great Oaks (12,040)
3. Miami Valley (11,692)
4. Penta (8,328)
5. Eastland (8,085)



Testing Counts
Top 5 by District

1. Butler Co (15,243)
2. Great Oaks (12,040)
3. Miami Valley (11,692)
4. Penta (8,328)
5. Eastland (8,085)

Testing Counts
Top 5 by Course

1. Agriculture, Food and Natural Resources
2. Business Foundations
3. Engineering Design
4. Principles of Food
5. Culinary Fundamentals



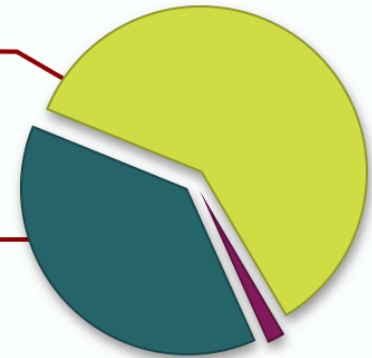


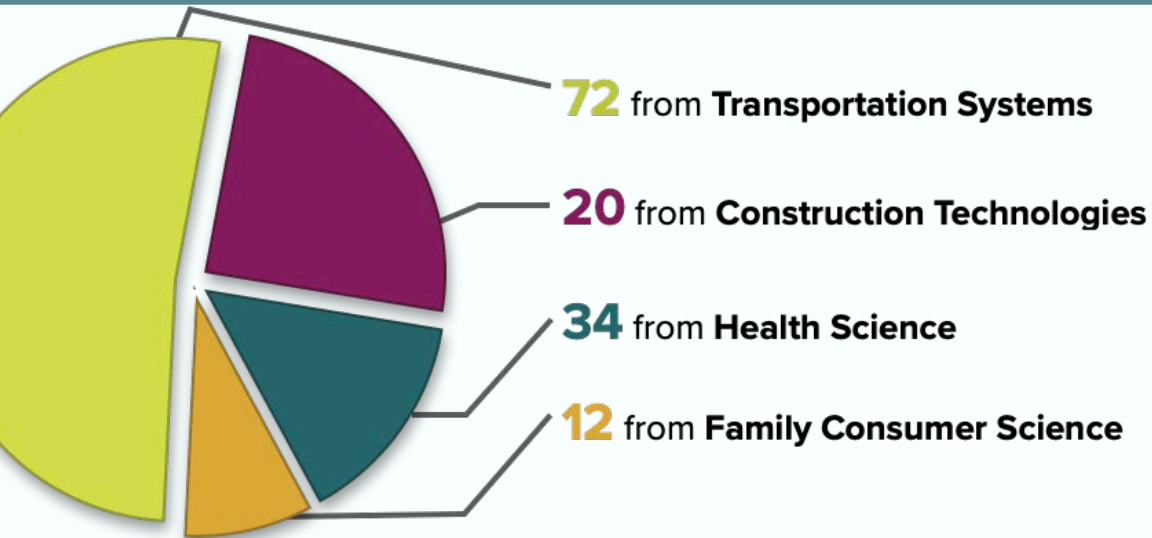
Total New Items Written: **2,759**

1,696 items written in **15** courses in
Ground Transportation

1,063 items written in **11** courses in
Air Transportation

24 items written in **1** course in **Family and
Consumer Sciences**



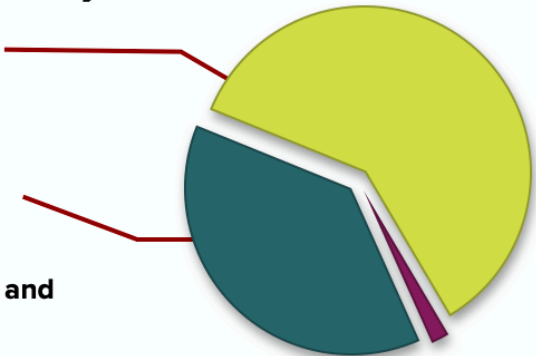


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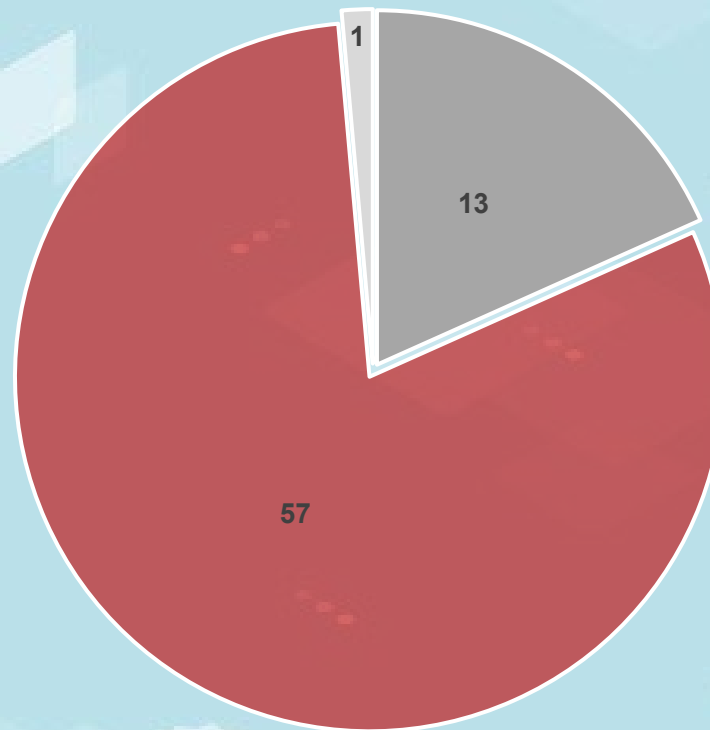
24 items written in **1** course in **Family and Consumer Sciences**





Total # unique Transportation SMEs = 72

SME Breakdown



■ Post-Secondary ■ Secondary ■ Industry

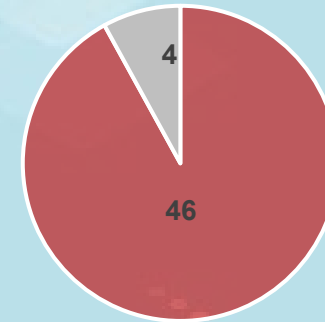




Participants by County

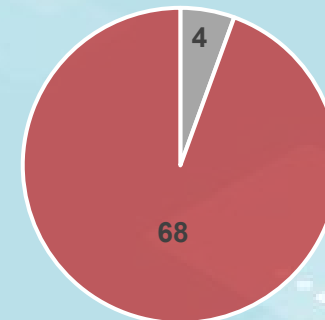
| County | # of SMEs | County | # of SMEs |
|------------|-----------|------------|-----------|
| Allen | 1 | Mahoning | 1 |
| Butler | 2 | Marion | 3 |
| Clermont | 2 | Medina | 1 |
| Clinton | 2 | Mercer | 1 |
| Cuyahoga | 3 | Miami | 1 |
| Delaware | 3 | Montgomery | 4 |
| Erie | 1 | Muskingum | 1 |
| Erie/Huron | 2 | Portage | 1 |
| Franklin | 9 | Richland | 1 |
| Greene | 2 | Ross | 1 |
| Hamilton | 2 | Seneca | 2 |
| Henry | 1 | Stark | 2 |
| Jefferson | 1 | Summit | 1 |
| Lake | 2 | Trumbull | 3 |
| Licking | 1 | Wayne | 1 |
| Logan | 1 | Warren | 1 |
| Lucas | 6 | Wood | 1 |
| Knox | 1 | | |

Unique Schools



■ Unique Career Centers/Schools ■ Unique Post-Secondary Schools

Participants by Gender



■ Female ■ Male



Transportation Systems

NO pretesting in the 2022-2023 school year.

- All Transportation tests are in field testing this school year.

Business & Administration/Finance/Marketing

We are going to be recruiting and item-writing for Business & Administration, Finance, and Marketing Career Fields in the 2022-2023 school year.





WebXam support staff resolved
2,260 email requests, phone calls,
and trouble tickets.





WebXam support staff resolved **2,260** email requests, phone calls, and trouble tickets.



Training materials were viewed **1,629** times from July 2021 to June 2022. These PD offerings include the **WebXam Users Workshop**, item-writing workshop **training videos**, and **eLearning modules** for teachers and administrators.





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Psychometrics & Test Security



Bridget McHugh
Program Lead



Detecting test security breaches

Virtual Item Writing

- Has many pros, but has a higher risk of “item theft”
- Using data analysis techniques to detect item theft

Test Security Analyses

- Track every item that an individual SME sees during workshops
- Using built-in features of the WebXam system to check for possible preknowledge for students of workshop participants



Designing the Blueprint

- ◎ Blueprint tells us how many items to write to each outcome included in course outline
- ◎ Based on importance, amount of content (competencies) and how easily can write questions
- ◎ Importance and easiness based on ratings
- ◎ Should receive a survey this year if teaching Business, Finance, and Marketing survey
- ◎ Fill it out– this helps us figure out which content standards are most important!
- ◎ Will receive email from me
- ◎ If you want to receive the survey, email mchugh.159@osu.edu



Why You Should Take This Survey

- ⦿ We know there are outcomes that aren't super vital to the course
- ⦿ If an outcome is rated as very unimportant, we won't write questions to it
- ⦿ Strand ratings can de-emphasize Strand 1
- ⦿ Method is used for certification and certificate organizations
- ⦿ This is the easiest way to impact content without writing questions
- ⦿ The more participants we have, the more precise the blueprint is
- ⦿ We also monitor comment data for feedback before each workshop



Example Ratings Question

Below are the outcomes included in the career field Transportation Systems. To help plan how many items to write for each outcome for the course **Aviation Powerplant Systems and Components**, we need a little more information. First, we need an idea of how **important** each outcome is to the course as a whole, rated on a scale of 1 (Not at all Important) to 5 (Extremely Important). In addition, we need to know how **difficult** it is to write multiple choice items to each outcome, on a scale of 1 (Very Difficult) to 5 (Very Easy).

Please note that these are outcomes for the entire career field, as the outcomes included in each course have not been finalized by ODE. The final course outlines will only include a subset of these outcomes.

How **important** is each outcome to the course **Aviation Powerplant Systems and Components**?

| | Not at all important | Slightly important | Somewhat Important | Moderately Important | Extremely Important |
|--|-------------------------|-----------------------|-----------------------|-------------------------|------------------------|
| 1.1 Employability Skills: Develop career awareness and employability skills (e.g., face-to-face, online) needed for gaining and maintaining employment in diverse business settings. | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 1.2 Leadership and Communications: Process, maintain, evaluate and disseminate information in a business. Develop leadership and team building to promote collaboration. | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 1.3 Business Ethics and Law: Analyze how professional, ethical and legal behavior contributes to continuous improvement in organizational performance and regulatory compliance. | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |



Thank you!

Questions | Comments

Visit us at: **news.webxam.org**

Email: **support@webxam.org**



@OSUcete