WebXam

The web-based assessment delivery and reporting system.

THE OHIO STATE UNIVERSITY

COLLEGE OF
EDUCATION AND HUMAN ECOLOGY

CETE
Robert Mahlman, Director
614-292-9072
mahlman.1@osu.edu

Questions?

- For general questions about WebXam, users are encouraged to contact WebXam Support at WebXam@osu.edu or 614-292-4988.

CETE

- CETE is a workforce R&D center at Ohio State University
- CETE works on contract to design-develop-deliver tests
- With ODE, WebXam used to deliver tests for CTE workforce and related programs (FCS)
  - Includes delivery of assessments based on FCS 2007 standards document and course structure (ODE)
  - Other work involves Pathway Test development, delivery of pathway tests for Workforce Development programs, switching to courses with E-O-C tests

WebXam Staff

- Robert A. Mahlman
  Director, CETE

- James T. Austin
  Director, Assessment Services at CETE

- Kathy Summerfield
  Office Associate; WebXam Support

- Psychometric staff
  Brooke Parker
  Zhiru Sun

- Technical staff
  Dan Keck
  Brock Hertzfeld
  Michael Detwiler

Brief OCTCA/WebXam History

- OCTCA (Ohio Career Technical Competency Assessment) is the statewide testing system for Career-Technical Education in Ohio
  - Introduced in 1993-1994 (OVCA, with OCAPs)
  - Web-based testing (WebXam) began with Information Technology tests in 2001
  - In 2012-2013, over 50,000 students took tests.
  - About 50 different assessment sequences
    - Workforce Development (WFD): 14 of the 16 Ohio career fields
    - Family and Consumer Science (FCS)

Types of CTE Assessments

- WFD End-of-program / 100-item

  - Slowly being phased out

- WFD Modular sequence

  - Increasingly based on courses defined by ODE

  - Transition to end-of-course began with Agriculture, now all new tests

- Teaching Professions portfolio – rubric-scored

- FCS end-of-course 50-item

Pathway Testing Project: History

Released 2010-2011

13MC Business Management
36MC Marketing Management
80MC Information Technology Basics
81MC Information Support and Services
82MC Network Systems
83MC Programming and Software Development
84MC Interactive Media

Released 2011-2012

03MC Agribusiness and Production Systems
05MC Agricultural and Industrial Equipment
08MC Animal Science and Management
18MC Visual Design and Imaging
19MC Media Arts
37MC Integrated Marketing Communications
46MC Food Science and Technology
53MC Horticulture

Released 2012-2013

01MC Accounting
02MC Administrative and Professional Support
04MC Financial Services
11MC Medical Management and Support
16MC Early Childhood Education
17MC Legal Management and Support
34MC Culinary and Foodservice Operations
35MC Supply Chain Management
38MC Performing Arts
39MC Natural Resource Management
40MC Lodging and Travel Services

Pathway Testing Project: Field Tested Assessments in 2013-2014

Construction Technologies
15MC Construction Design and Management
27MC Mechanical, Electrical, Plumbing
45MC Structural Construction

Engineering and Science Technologies
26MC Engineering Design

Health Science
22MC Health Information Management Services
23MC Exercise Science and Sports Medicine
25MC Allied Health and Nursing
47MC Biomedical Technology

Law and Public Safety
41MC Firefighting and Emergency Medical
43MC Criminal Justice

Manufacturing Technologies
28MC Manufacturing Operations

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Pathway Testing Project: Expected Field Tested Assessments in 2014-2015

Agriculture and Environmental

46MC	Biotechnology and Food
27MC	Mechanical, Electrical, Plumbing
45MC	Structural Construction

Human Services

21MC	Personal Care Services

Information Technology

81MC	Information Support and Services
82MC	Network Systems
83MC	Programming and Software Development
84MC	Interactive Media

Transportation Systems

09MC	Air Transportation
10MC	Ground Transportation

Assessments and Standards

- What test should my student take?
  - Use the Ohio Career-Technical Education Technical Assessment System Matrix. Available on the ODE website; linked from WebXam.
  - Look up CTE Program of Concentration and take required assessment.

	CTE Pathway Program Name	Subject Code	Test Name - EMIS Code - (Benchmark Score) *Assessment Vendor*	
			For Seniors in Programs In Place Before FY14	For Student in Grades 9 -11 in Programs In Place Before FY14 And For All Students in New FY14 Programs
C0	Administrative and Professional Support	140300	Administrative Office Technology – 02MC – (59) *ODE/Ohio State University-CETE*	Administrative Office Technology – 02MC – (59) *ODE/Ohio State University-CETE*
C1	Business Management	140800	Business Management – 13MC - (57) *ODE/Ohio State University-CETE*	Business Management – 13MC - (57) *ODE/Ohio State University-CETE*
C2	Legal Management and Support	140310	Legal Management and Support – 17MC – (55) *ODE/Ohio State University-CETE*	Legal Management and Support – 17MC – (55) *ODE/Ohio State University-CETE*
C3	Medical Management and Support	140320	Medical Management and Support – 11MC – (57) *ODE/Ohio State University-CETE*	Medical Management and Support – 11MC – (57) *ODE/Ohio State University-CETE*
CONSTRUCTION (04)			Required Tests Note: Construction tests required for Seniors in FY14 will not be available in FY15.	
D0	Brick, Block and Cement Masonry	171004	Masonry – 45DA – (58) *ODE/Ohio State University-CETE* Or NCCER Construction Career Test-Masonry – 170 – (Vendor Supplied) *National Center for Construction Education and Research (NCCER)*	Structural Systems – 45MC– (TBD) *ODE/Ohio State University-CETE*
			Building and Property Maintenance – 12EA – (71)	

What's new for 2013-2014

- New student testing page in January
- Students can be assigned to more than one teacher
  - Instead of **moving** students from one teacher to another, students can be **reassigned** to a new teacher or **unassigned.**
  - Any number of teachers can be assigned to student when editing student.
  - Data uploads will add teacher to existing student account.
  - When activating tests, administrators pick a teacher.
- Still in development:
  - Report on multiple tests at once
  - Finer grain reporting for FCS assessments

How the System Works

- Hierarchical, secure, with logins and passwords
  - DTC → Teacher → Student
- DTC (District Testing Coordinator) is main point of contact for district
  - Because the career center in a CTPD is accountable for career-tech performance in CTPD school districts, the career center DTC is often set up as DTC over the users in those school districts.
- Teachers or administrators can manage student accounts
- Students are activated for tests
- Students complete-submit tests, results returned immediately
- Multiple report formats; data is immediately available
- Minimal system requirements: web browser

EMIS ID

- All students must be entered into WebXam (either manually or via upload) with an "EMIS ID".

- The EMIS ID
    - is a locally-derived identification number
      (usually the student's ID in the district's Student Information System).
    - should not be the SSID or Social Security number.
    - should be consistent for a student from one year to the next.
        - This ensures that when a new upload file comes, a new student account is not created when the student already exists.
    - should be unique within the district.

Common Test Activation Problems

- (More details to follow in walkthrough)
- Check that:
    - ❑ student account is created.
    - ❑ student account is under teacher or administrator doing activation.
    - ❑ student account is enabled.
    - ❑ student account has the correct assessment assigned to account.
    - ❑ student has not already taken the test this year.

Testing Environment

- Assessments are timed: # minutes = # items
- Proctor required: "Any responsible staff member other than the student's teacher of record associated with the program area being tested may serve as the test proctor."
- Students cannot use external reference material, resources, or devices with the following exceptions:
  - Four-function calculator
  - Scrap paper that is later collected
  - Any tool or device specified in a student's IEP or 504 Plan.
- Testing Security Rule Book available on WebXam website
- Not permissible to disseminate content or share with students

Testing Irregularities

- WebXam stores each response as it is entered along with the time remaining.

- In case of a test interruption, like a fire drill or computer problem, students can be set up to resume the test at a later time

- Any alleged assessment security violation should be reported to ODE.

What is covered on the assessments?

- 100-item and FCS assessments cover entire set of standards for course or pathway

- For modular assessments, each module covers a subset of the content standards for the pathway.

- For end-of-course modular assessments, the module covers the course as defined by the Ohio Department of Education.

- Look at module document on WebXam website (not updated yet for 2013-2014)

Rules for Modular Testing

- Can a student retake a test?
  - A module, end-of-program, or FCS end-of-course assessment can be taken once per school year.
  - Student's overall score is reported for entry into EMIS every June.
  - As of FY2013, if a module is retaken, the highest score is used when calculating the overall score. (Previously, the most recent score was used.)
- How many modules do I take?
  - Most non-end-of-course tests: all modules
  - Arts & Communication: Take modules 1-4 and one of 5,6,7
  - Agriculture end-of-course tests: one for each course; not less than 3
  - Upcoming end-of-course tests: see upcoming Field Test Memo

Who should test?

- WFD assessments are used for the measurement of Technical Skill Attainment – the 2S1 measure – for Perkins reporting

- All CTE Concentrators with a required assessment should test.

- Students with IEPs can be set up with accommodations
  - Additional time
  - Reader is required (items are unscrambled but district provides audio)

- Proficient score is used in 2S1 measure – not advanced score

- A proficient score does not necessarily meet the requirements of a given postsecondary articulation agreement

ITC and WebXam Data Exchange

ACCESS	NOACSC
HCCA	NOECA
LACA	NWOCA
LGCA	OMERESA
MDECA	SCOCA
MEC	SEOVEC
MVECA	SPARCC
NCC	SWOCA
NCOCC	TCCSA
NEOMIN	TRECA
NEOnet	WOCO

Relationship between ITCs and Districts

- In the past, almost all districts used an ITC for student data uploads.

- All districts continue to use ITCs for score downloads

- Districts now have the option to handle student uploads without going through the ITC.

  - Log on to WebXam.

  - Secondary Students -> Upload

  - Get Excel template, fill it out, and upload it
    (or use an export from a Student Information System like DASL).

ITC and WebXam Data Exchange: Uploads

- Log on to WebXam at www.WebXam.org.

- After logging in, ITC staff uploads a data file.

- WebXam staff will process the data file and add new students within 5 business days.

- Notification sent to district and ITC.

ITC and WebXam Data Exchange: Uploads

At any time prior to the yearly deadline, school districts can request an upload of student data from an ITC to WebXam.

- Uploads not available after April 11, 2014 deadline due to CETE/OSU staff time tied up in WebXam Support.
- Students can always be added manually using a form on the website.

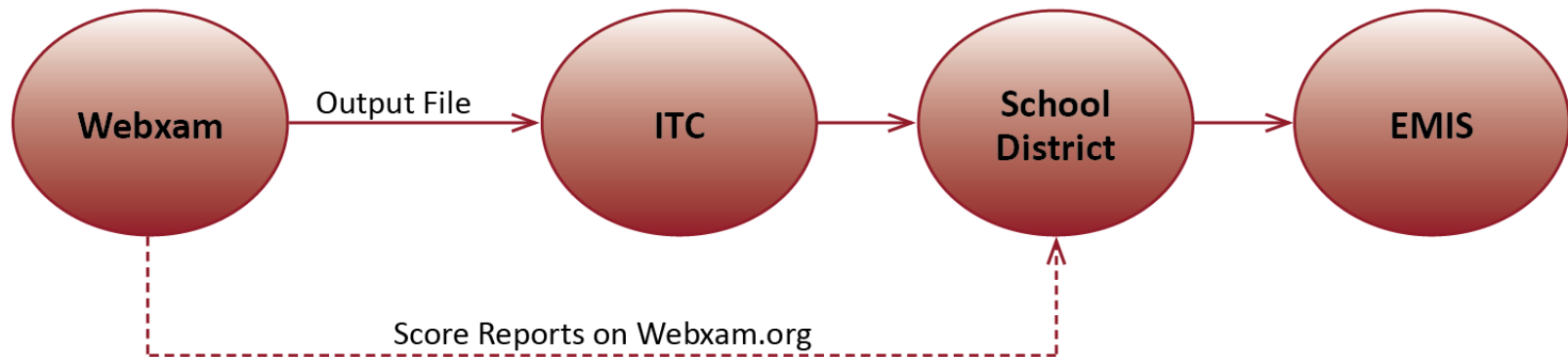# ITC and WebXam Data Exchange: Uploads

- Assessments are added based on CTE Program of Concentration or FCS assessment.
- If we cannot determine the assessment, we contact district for clarification.
- Students must be assigned a teacher. If no teacher is provided, we contact district for clarification.
- To avoid duplication, existing students will not receive a new WebXam account. Grade level, assessment, and assigned teachers will be updated.

Score Downloads - FCS

At this time, FCS scores are not included in the yearly output for the state's EMIS data system. District staff can download scores from the WebXam website.

Score Downloads - WFD

Path of Data from Webxam to EMIS

Score Downloads - WFD

During the first week of June, WebXam staff will notify the ITCs that files (the "output files") are available for download. The file structure has been set up specifically for entry into EMIS.

ITC and WebXam Data Exchange: Downloads

- June 1-15, WebXam staff notifies ITCs that files (the "output files") are available for download – DTC is also notified

- ITC staff log in to WebXam to download output files.

- Data includes the student name, EMIS ID, 4-letter form ID of assessment taken, percentage score, and pass/fail indicator.

- There is one download file per district. The filename is the IRN.

- Only students who tested during the school year ending are included.

- All students who tested are included, regardless of grade level.

Use of data in EMIS by ODE

- Districts report scores to EMIS.

- A score in WebXam is used for the measurement of Techncal Skill Attainment (Perkins 2S1) if and only if the student is reported as a CTE Concentrator.

- If a score is reported before the student is a CTE Concentrator, ODE will hold the score until the student becomes a CTE Concentrator.

- If scores are reported over multiple years, as long as one score is passing, the student is considered passing.

The WebXam Reporting System

- Results are available immediately after tests are submitted

- All reports are created "on the fly"

- Multiple reporting options

  - Roster Report

  - Individual Report

  - Aggregate Report

  - Testing Summary

Testing Summary

Modular tests 2011-2012

ID	Test Name	Teacher First Name	Teacher Last Name	# students	# completed	# passed
03MC	Agribusiness and Production Systems	Hiba	Turney	87	15	11
15MA	Carpentry	Coral	Harsh	19	19	5
18MC	Visual Design and Imaging	Damian	Jensen	24	24	23
23MA	Dental Assistant	Kimber	Staten	11	11	11
26MA	Drafting	Jessica	Brown	7	7	7
82MC	Network Systems	Shalonda	Hauser	9	7	5
82MC	Network Systems	Jessi	Pruitt	12	11	9
83MC	Programming and Software Development	Stacey	Hines	17	17	15
84MC	Interactive Media	Bobby	Horn	27	14	26

Nonmodular tests 2011-2012

ID	Test Name	Teacher First Name	Teacher Last Name	# students	# passed
09EA	Auto Collision Technician	Tarryn	Sauer	7	4
47FA	Medical Assistant	Terrence	Frye	9	5
59EA	Welding	Penny	Hebert	7	4

Portfolio scores 2011-2012

ID	Test Name	Teacher First Name	Teacher Last Name	# students	# passed
14TP	Teaching Professions	Evelyn	Richey	13	11

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Charleston Local School District
All Students
02MA - Administrative Office Technology

Results 1-12 of 12

Results per page 25 GO

--Please Note:

- Click on student's name for detailed report.
- Also Note: If the student has not completed the sequence, the words "In progress" will be shown in the last column.

Benchmark: **61**

Passed: **9 of 12**
Incomplete: **1 of 12**
Complete and not passed: **2 of 12**

STUDENT:	Modules Taken	Score so far			Passed?		
John Doe	1 out of 9	24 out of 24 = **100%**	Passing		24 out of 227 = **11%**	In progress	
Andrew Student	9 out of 9	211 out of 227 = **93%**	Passing		211 out of 227 = **93%**	Passed	
Charlie Student	9 out of 9	201 out of 227 = **89%**	Passing		201 out of 227 = **89%**	Passed	
Hank Student	9 out of 9	195 out of 227 = **86%**	Passing		195 out of 227 = **86%**	Passed	
Jan Student	9 out of 9	209 out of 227 = **92%**	Passing		209 out of 227 = **92%**	Passed	
Joe Student	9 out of 9	37 out of 227 = **16%**	Not Passing		37 out of 227 = **16%**	Not Passed	
Linda Student	9 out of 9	206 out of 227 = **91%**	Passing		206 out of 227 = **91%**	Passed	
Mary Student	9 out of 9	192 out of 227 = **85%**	Passing		192 out of 227 = **85%**	Passed	
Pat Student	9 out of 9	2 out of 227 = **1%**	Not Passing		2 out of 227 = **1%**	Not Passed	
Sally Student	9 out of 9	177 out of 227 = **78%**	Passing		177 out of 227 = **78%**	Passed	
Thomas Student	9 out of 9	197 out of 227 = **87%**	Passing		197 out of 227 = **87%**	Passed	
Wendy Student	9 out of 9	193 out of 227 = **85%**	Passing		193 out of 227 = **85%**	Passed	

Data can be exported as a CSV file.

Individual Report
Joe Soap

Agribusiness and Production Systems

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School Year: **2012-2013**

Section:		Cutoff Score:	Advanced Cutoff:	Percent Correct:	Number of Questions:	Number Correct:	Passing:	Passing (Advanced):	Date Taken:	Score Used:
03MC	Agribusiness and Production Systems (OVERALL)	55%	77%	72%	107	77	Yes	No		
03MC.01	Agriculture, Food and Natural Resources	55%	76%	73%	30	22	Yes	No	5/15/2012	Yes
03MC.06	Business Management for Agricultural and Environmental Systems	53%	77%	69%	29	20	Yes	No	4/22/2013	Yes
03MC.12	Agricultural and Industrial Power	64%	79%	60%	20	12	No	No	5/15/2012	Yes
03MC.12	Agricultural and Industrial Power	64%	79%	50%	20	10	No	No	5/1/2013	No
03MC.14	Communications and Leadership	55%	79%	82%	28	23	Yes	Yes	4/22/2013	Yes

Back to Individual Roster Report

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Aggregate Report
John Doe
Charleston Local School District
All Students
02MA - Administrative Office Technology

School Year: **2007-2008**

Module/Test:	% Score Needed to Pass:	Class Avg%:	Total Students:	Total Passing:	Percent Passing:
Administrative Office Technology (OVERALL)	61%	N/A	15	13	86.67%
General Office Operations	61%	78.57%	15	13	86.67%
Specialized Office Operations	56%	75%	16	14	87.50%
Leadership & Management	58%	80.3%	15	13	86.67%
Finance & Accounting	65%	75.26%	16	14	87.50%
Economics	55%	81.56%	16	14	87.50%
Communications	60%	80.21%	16	14	87.50%
General Technology Applications	64%	79.83%	16	14	87.50%
Specialized Technology Applications	62%	76.92%	15	13	86.67%
Professional Development	73%	77.16%	16	14	87.50%

Back to Aggregate Test Selection

New Student Testing Page

New Student Testing Page

- Show which items have been answered

- Progress bar

- Option to hide clock

- Bigger text and buttons

- Responsive design for tablets or small laptops.

- Looking for beta test will rollout later this year
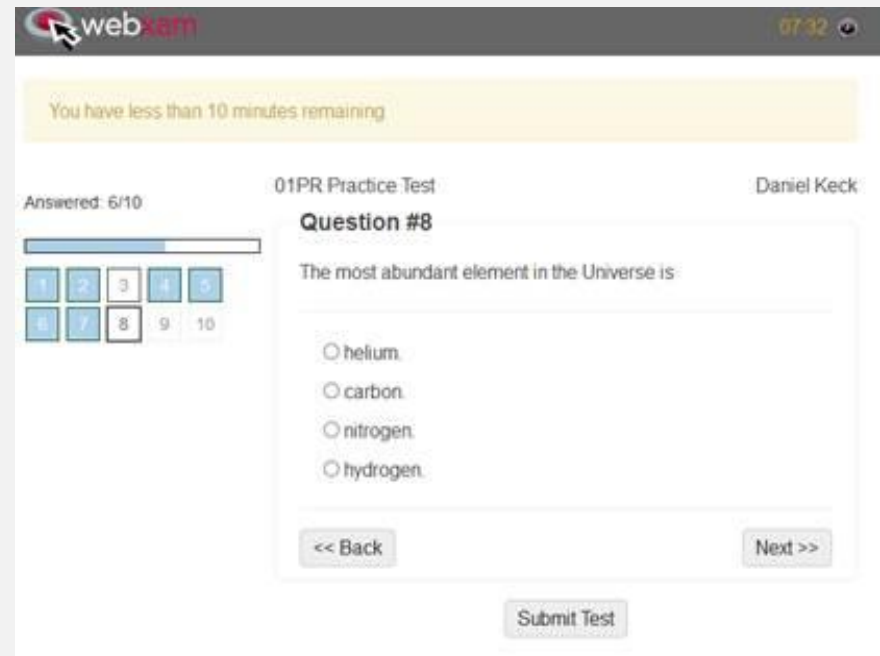
Demonstration

- Administrator/teacher view
- Student view

Where District Staff Go For Help

- Districts can contact WebXam Support, staffed by CETE
  - webxam@osu.edu
  - 614-292-4988
- ODE consultants
- District Testing Coordinator
- EMIS Coordinator
- ITC
- Documentation on WebXam website
- Documentation on ODE website
- E-mail communications from CETE and ODE

Questions?

- For general questions about WebXam, users are encouraged to contact WebXam Support at WebXam@osu.edu or 614-292-4988.

- Please evaluate this workshop:

  https://www.surveymonkey.com/s/F839KS2