WebXam

The web-based test delivery and reporting system.

December 2014 User's Workshop
Overview of Testing in WebXam

Questions?

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

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Agenda

I.   About the Ohio CTE Pathway Tests

II. About the WebXam Website

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About the Ohio CTE Pathway Tests

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Brief History of Ohio CTE Testing and WebXam

- CETE is a research center at The Ohio State University.

- Developing and delivering Ohio CTE tests since 1993; online tests since 2001.

- In 2013-2014, approximately 55,000 students took Ohio CTE Pathway Tests, Family and Consumer Science tests, or Teaching Professions (portfolio scoring-reporting system)

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Ohio CTE Pathway Test Structures

- **End-of-program / 100-item**
  - Only one test per student.
  - **Transportation** only

- **Modular sequence**
  - Test broken up into modules. Students must take all modules (except for Arts students).
  - **Arts and Communications**, **Business, Education, Finance, Hospitality, IT, Marketing**

- **End-of-Course (EOC)**
  - Students take an EOC Test for each CTE Course taken.
  - Students not expected to take all available EOC Tests.
  - Some EOC Tests are in field testing and student will not get an immediate score.
  - **Agriculture, Construction, Engineering, Health, Human Services, IT, Law and Public Safety, Manufacturing, Transportation**

- **Teaching Professions portfolio**
  - Rubric scored-stored

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Other Tests in WebXam

- **FCS end-of-course 50-item**
  - Not reported in EMIS.
  - No charge to districts

- **Employability**
  - Not required by the Ohio Department of Education.
    - TWO forms available (100, 80 items)
  - $9 charge per student per test.

Types of Tests by Function

- **Operational test** or **Operational posttest**
    - This is the standard type of test normally given in WebXam.
    - Scores included in end-of-year score report to EMIS.
    - Passing status available immediately on test completion.

- **Field tested test**
    - Entire item bank included in EoC Test, so tests are large (80-100 items).
    - Represents first one or two years of a test's lifetime.
    - Passing status not available immediately on test completion.
    - In May of first or second year of field testing, operational test forms of 40 items are chosen based on instructor judgments and student testing results.
    - Students will then receive a passing status on EOC Tests taken earlier.
    - *Ramifications: Even if a student has taken all required EOC Tests, the student may not have a true overall Pathway Test score until June.*

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Types of Tests by Function

- **Pretest**
  - As of 2013, 2014, CETE is contracted to write extra items for EoC Pretests.
  - Cost of delivery is $1 per student per EoC Pretest.
  - Districts are **not required** to take pretests in WebXam. It is offered as an option for Teacher Effectiveness requirements.
  - Pretest and posttest scores will be used to report Teacher Effectiveness Ratings by May 1.
  - For more information, including a useful FAQ, go to http://education.ohio.gov/Topics/Career-Tech and click on "Career-Technical Education Assessment System."

- **Practice test**
  - As of 2014-2015, CETE is contracted to write extra items for Pathway-specific Practice Tests. These will be released after field testing is complete, starting with the current new tests (Human Services, IT, Transportation.)
  - So, the first Practice Tests will be available in 2015-2016.
  - For now, there is a generic Practice Test that can be used to acclimate students to WebXam.

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First Release 2014-2015 : Ohio CTE Pathway Tests

Agriculture and Environmental
46MD Biotechnology and Food

Human Services
21MC Cosmetology

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

Transportation Systems
09MC Air Transportation
10MC Ground Transportation

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(Anticipated) First Release Ohio CTE Pathway Tests: 2015-2016

Arts and Communication

19MD	Media Arts
38MD	Performing Arts
18MD	Visual Design and Imaging

Business, Finance, and Marketing

Test form IDs to be determined

What Tests Should My Student Take?

- Use the Ohio Career-Technical Education Technical Assessment System Matrix.

- Look up CTE Program of Concentration and assign required Pathway Test.

What Tests Should My Student Take?

	CTE Pathway Program Name	Subject Code	Test Name - EMIS Code *Assessment Vendor*	
			Required Tests For Seniors in Programs In Place Before 2014-15 School Year	**Required Tests** For Student in Grades 9 -11 and Seniors in New FY15 Programs
M1	Cosmetology	172602	Cosmetology License Examination - 560 Ohio State Board of Cosmetology	Cosmetology – 21MC *ODE/Ohio State University-CETE*
M2	Family and Community Services	172605	None Available– No Programs	None Available – No Programs
Information Technology (12) Note: All Information Technology tests labeled as MD are comprised of multiple End-of-Course tests. Note: Information Technology tests available for Seniors in the 2014-15 school year will not be available in 2015-16.			**Required Tests**	**Required Tests**
N0	Information Support and Services	140210	Information Support Services – 81MC *ODE/Ohio State University-CETE*	Information Support Services – 81MD *ODE/Ohio State University-CETE*
N1	Interactive Media	140240	Interactive Media – 84MC *ODE/Ohio State University-CETE*	Interactive Media – 84MD *ODE/Ohio State University-CETE*
N2	Network Systems	140220	Network Systems– 82MC *ODE/Ohio State University-CETE*	Network Systems– 82MD *ODE/Ohio State University-CETE*
N3	Programming and Software Development	140230	Programming and Software Development – 83MC *ODE/Ohio State University-CETE*	Programming and Software Development – 83MD *ODE/Ohio State University-CETE*
Law and Public Safety (13) Note: Both Law and Public Safety Pathways use a test comprised of multiple End of Course tests. Note: Fire Fighter and EMT exams must be administered within 12 months of when the program started. Note: Both Firefighter exams must be taken sequentially. Note: Students must test in every course taken. This includes Emergency Medical Services			**Required Tests**	**Required Tests**
P0	Career Paths for the Law Profession	172810	Criminal Justice – 43MC *ODE/Ohio State University-CETE*	Criminal Justice – 43MC *ODE/Ohio State University-CETE*
P1	Criminal Justice	172802	Criminal Justice – 43MC *ODE/Ohio State University-CETE*	Criminal Justice – 43MC *ODE/Ohio State University-CETE*
			Criminal Justice – 43MC	Criminal Justice – 43MC

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About the WebXam Website

What's new for 2014-2015

- New scoring scheme: Dynamic performance standards based on courses taken

Example:

03MC	Total Test	Agribusiness and Production Systems		
		Agriculture, Food and Natural Resources	55	74
		Animal Science and Technology	61	80
		Plant and Horticultural Science	59	79
		Agronomic Systems	53	74
		Animal Nutrition, Health and Reproduction	57	76
		Business Management for Agricultural and Environmental Systems	50	71
		Greenhouse and Nursery Management	50	77

Previously, 03MC had a fixed pass-fail performance standard of 54 (left column).

Problem: Students pass all End-of-Course Tests but fail Pathway Test.

Now, pass-fail score will be average of performance standards for End-of-Course tests taken.

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What's new for 2014-2015

We have changed how tests are selected.

1. All students must be assigned a Pathway Test.
2. Students are assigned one or more EOC Tests (if applicable)
3. However, that Pathway Test can be changed anytime before the student graduates.
   - Any EOC Tests valid for the chosen Pathway Test will be used.
   - Example: **010115 Business Management** is an available course for all Agriculture Pathways.
   - Student takes 03MC 010115, but if the student switches to the 08MC, the score is used as 08MC 010115.

What's new for 2014-2015

- **Available now**
  - Pretests for selected End-of-Course tests (~38)
  - Added subject code to End-of-Course tests.
  - District administrators can view and modify hierarchy of staff in WebXam.
  - In most places where a teacher or test needs to be selected, users can now type part of the name to get a match.

- **In progress**
  - Finer grain reports – groups of Outcomes
  - Reporting on multiple tests or multiple years at once
  - Student upload process giving more control to district WebXam users

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Overview of WebXam

- Hierarchical, secure, with logins and passwords
  - DTC → Administrator → Teacher → Student
  - Students can be assigned to more than one teacher.

- 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:
  - manage student accounts.
  - activate students to take tests.
  - can see reports immediately after students submit tests.

- Minimal system requirements: web browser

EMIS ID

- Required for all student accounts in WebXam.

- 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.

- Can be added via uploads or manual student entry.

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Common Test Activation Problems

Check that:

- ❑ student account is created.
- ❑ student account is under teacher or administrator doing activation.
- ❑ student account has the correct test assigned to account.
- ❑ student account is enabled.
- ❑ student has not already taken the test this year.

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Testing Environment

- Tests are timed: # minutes = # items

- Proctor required, who
  - must be a paid employee of the school district.
  - must not be a student, student teacher, or unpaid volunteer.
  - must not be a teacher of the pathway or course being tested.
  - does not need to be registered in WebXam.

- Teacher may be present in room to assist with technology and managing student interactions, but should not observe computer screens of test takers.

- 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

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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 test security violation should be reported to the Ohio Department of Education.

What is covered on the assessments?

- End-of-program / 100-item
  - Entire set of standards for course or pathway

- Modular sequence
  - Each module covers a subset of the content standards.
  - Refer to Available Test page in WebXam Information Resources.

- End-of-Course (EOC)
  - Students take an EOC Test for each CTE Course taken.
  - Refer to Course Descriptions and Sample Course Outlines on ODE's website.
    - Sample Course Outlines include the Outcomes and Competencies covered.
    - Go to http://education.ohio.gov/Topics/Career-Tech

Can tests be retaken?

- **End-of-program / 100-item**
  - Can be taken once per school year.
  - Each result is reported. The Ohio Department of Education is looking for one passing score.

- **Modular sequence**
  - Each test can be taken once per school year.
  - If a test is retaken, the most favorable score is kept (i.e., the best score compared to the performance standard for that school year).
  - Any module not taken will be counted as a zero score.

- **End-of-Course (EOC)**
  - Each EOC Test can be taken once per school year.
  - If an EOC Test is retaken, the most favorable score is kept (i.e., the best score compared to the performance standard for that school year).
  - Students should take the EOC Test for each course taken. Any Pathway Test with fewer than three EOC Tests will be reported as Incomplete.

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Who should test?

- Ohio CTE Pathway Tests are used for the measurement of Technical Skill Attainment – the 2S1 measure – to meet the requirements of the federal Carl D. Perkins Career and Technical Education Act.

- All CTE Concentrators with a required test 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

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ITC and WebXam Data Exchange

ITC: Information Technology Center (formerly A-Site, or DA-Site)

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

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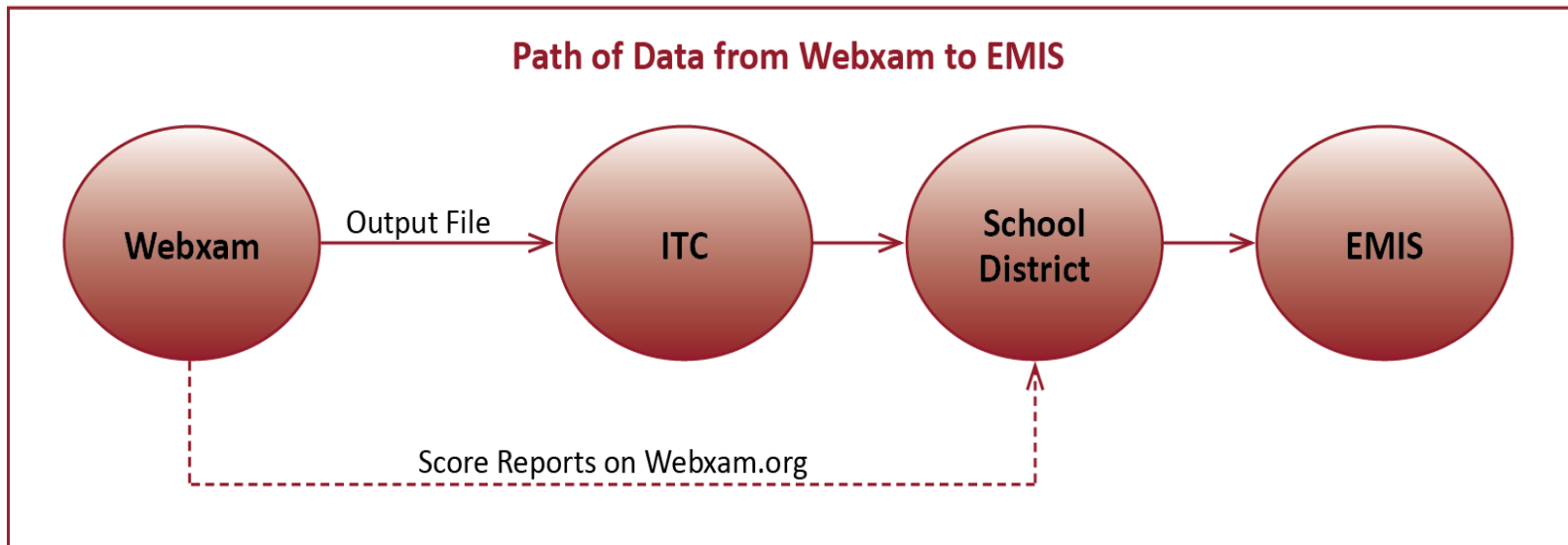WebXam

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ITC and WebXam Data Exchange: Uploads

- **When can I upload students?**
    - At any time prior to the deadline, school districts or ITCs can submit an upload file of student data to WebXam.
    - Uploads not available after **April 11, 2014** deadline due to CETE/OSU staff time allocated to WebXam Support.

- **Directions**
    - Log on to WebXam at www.WebXam.org.
    - After logging in, district staff or ITC staff upload a data file.
    - WebXam staff will process the data file and add new students within 5 business days.
    - Notification sent to district and ITC.

- **What if I miss the upload deadline or leave out a student?**
    - Students can always be added manually using a form on the website.

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ITC and WebXam Data Exchange: Uploads

- Tests are added based on CTE Program of Concentration or FCS test.

- If we cannot determine the test, 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, tests, and assigned teachers will be updated.

ITC and WebXam Data Exchange: Downloads

Path of Data from Webxam to EMIS

Webxam → (Output File) → ITC → School District → EMIS

Score Reports on Webxam.org

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ITC and WebXam Data Exchange: Downloads

- **When can I download score data?**
  - By June 12, 2015, WebXam staff notifies ITCs that the score output files are available for download. The DTC is also notified.
  - ITC staff log in to WebXam to download output files.
  - (Score reports are also available for download anytime on the WebXam website.)
- **File setup**
  - Data includes the student name, EMIS ID, 4-letter form ID of Pathway Test taken, percentage score, and pass/fail/incomplete indicator. (Incomplete for Pathway Tests with EOC Tests only).
  - There is one download file per district. The filename is the IRN.
- **Data**
  - Only students who tested during the school year ending are included.
  - All students who tested are included, regardless of grade level.
  - Family and Consumer Sciences tests are not included in the score output files.

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Use of data in EMIS by the Ohio Department of Education

- ## What is reported to EMIS?
  - Districts report Pathway Test scores to EMIS, ODE's student data system.
  - EOC Test scores and module scores are not reported to EMIS.

- ## What if a student tests during multiple years?
  - If a Pathway Test score is reported before the student is a CTE Concentrator, the Ohio Department of Education will hold the Pathway Test score until the student becomes a CTE Concentrator.
  - If Pathway Test scores are reported over multiple years, as long as one Pathway Test score is passing, the student is considered passing for the 2S1 Perkins indicator.
  - A Pathway Test score is used by the Ohio Department of Education only if it is a student is a Concentrator in a matching CTE Program.

- ## What if the student leaves?
  - A student's test score is only used if the student becomes a CTE Concentrator.

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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

Roster Report

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

Results 1-12 of 12

Results per page 25 GO

Data can be exported as a CSV file.

--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

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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

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
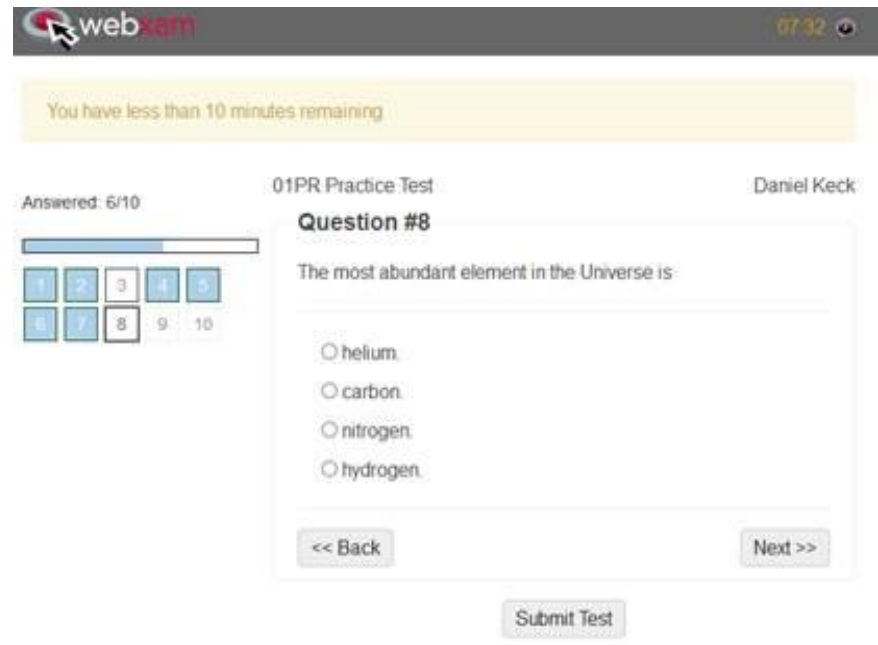
Where District Staff Go For Help

- Districts can contact WebXam Support, staffed by CETE
  - webxam@osu.edu
  - 614-292-4988
- Ohio Department of Education program specialists
- District Testing Coordinator
- EMIS Coordinator
- ITC
- Documentation on WebXam website
- Documentation on the Ohio Department of Education website
- E-mail communications from CETE and Ohio Department of Education

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