Technical Skills Assessments

October 28, 2014
CTECS Community of Practice
Assessment Data Gathering and Verification
6 Fields of Data We Send the District CTE Coordinators

All according to PowerSchool...

- First Name
- Middle Name
- Last Name
- State ID Number
- Home High School
- Home High School ID Number
2 Fields the District CTE Coordinator Identifies from a pull-down menu...

- At which school is the student taking the test (the CATE program) if not his or her home high school?

- Which test is the student going to take?
Our office compiles the data and sends it to each assessment provider.

Provider either loads this student data into its testing system up front OR matches it with student test results after testing is completed.

At the end of the year, if a student’s test results record does not reflect the student’s data from PowerSchool *verbatim*, there is not a match/we do not count the results.
Providers and #s of Tests

- American Hotel & Lodging Ed Institute, 1
- ASE, 4
- AAFCS, 11
- CAERT, 4
- CTECS, 21
- National Restaurant Assoc Ed Foundation, 1
- NCCER, 1
- PLTW, 10
- Precision Exams, 1
2014–15 Change

- ASE Student Certification Assessments
  - MLR
  - Brakes
  - Electrical
National Health Science Assessment (2014–15 Change)

- Only students who have acquired at least two of the required four units in two of the following courses should take the test:
  - Intro to Health Science
  - Health Science 1
  - Health Science 2
  - Health Science Clinical Study
CTECS

Percentage of Students Passing

- Accounting, 49.4% (n=95) (cut score 55)
- Architectural Design, 10.4% (n=66) (cut score 65)
- Bldg Const Cluster, 25.8% (n=185) (cut score 55)
- Carpentry, 33% (n=132) (cut score 55)
- General Management, 61.6% (n=77) (cut score 55)
- Mechanical Design, 24% (n=104) (cut score 65)
- Welding, 47.9% (n=407) (cut score 60)
National Health Science Assessment

- 49 Districts
- 84 Schools
- 1629 Students
- 1677 Total Exams (including retests)

- 100 Questions; cut score 70

- Statewide pass rate 50%
- National pass rate 43%

- 68.44% state average; % of correct answers
- 67% national average

- Range of scores, 1–94
## ASE Student Certification Tests

(Matched records only)

<table>
<thead>
<tr>
<th>Total Outcomes</th>
<th>Fail %</th>
<th>Pass %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical</td>
<td>134</td>
<td>56.0%</td>
</tr>
<tr>
<td>MLR</td>
<td>135</td>
<td>48.9%</td>
</tr>
<tr>
<td>Non-Structural</td>
<td>34</td>
<td>70.6%</td>
</tr>
<tr>
<td>Painting</td>
<td>32</td>
<td>59.4%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>335</strong></td>
<td><strong>54.9%</strong></td>
</tr>
</tbody>
</table>
ProStart

- 100–Question Test
- 100 Test Takers
- 68% Passed
Agriculture, 581 Test Takers

![Bar Chart]

- Agricultural Mechanics and Technology
- Environmental and Natural Resources Management
- Horticulture
- Plant and Animal Systems

Q1
Q2
Q3
Q4
Pre-PAC Assessments 2013–14

- Broad Field FCS (n = 7)
- Culinary Arts (n = 74)
- Early Childhood Education (n = 88)
- Family and Community Services (n = 3)
- Fashion, Textiles, and Apparel (n = 3)

- Total n=175
## Pre-PAC Assessments 2013–14

<table>
<thead>
<tr>
<th>Assessment and Certification Title</th>
<th>Assessment Average</th>
<th>Certification Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Broad Field Family and Consumer Sciences</td>
<td>69%</td>
<td>43%</td>
</tr>
<tr>
<td>Culinary Arts</td>
<td>61%</td>
<td>42%</td>
</tr>
<tr>
<td>Early Childhood Education</td>
<td>65%</td>
<td>44%</td>
</tr>
<tr>
<td>Family and Community Services</td>
<td>77%</td>
<td>100%</td>
</tr>
<tr>
<td>Fashion, Textiles, and Apparel</td>
<td>56%</td>
<td>0%</td>
</tr>
</tbody>
</table>
Progress

- Trained 13 Mechatronics teachers this year including 2 postsec; programs have grown to 30+
- New secondary Firefighter certification program
- 22 days of technology training
- All teachers certified to teach Keyboarding and General Technology courses now certified to teach K–12

www.apprenticeshipcarolina.com
High School Exit Exam Gone; No Test Will Replace It

New ELA and Math Standards Being Written

ACT–created Test Chosen to Measure Academic Skills of 11th Graders—has been protested by another vendor

All 11th Graders Will Take WorkKeys
Challenges

- Honors Credit for CTE Courses
- Academic Credit for CTE Courses
- Innovative Courses—When Do They Become Official?
- Forging Relationship With Postsecondary and With Business–Industry
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