Smarter Balanced Assessments, Intro to College Mathematics, and The University of Hawai‘i Placement Policy

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DXP Data Summit
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What Do the SB Scores Mean for Placement?

| Level 1          | Not Yet Content-Ready - Substantial Support Needed  
|                 | K-12 & higher education may offer interventions |
| Level 2          | Not Yet Content-Ready – Support Needed  
|                 | Transition courses or other supports for Grade 12, retesting option for states |
| Level 3          | Conditionally Content-Ready/Exempt from Developmental  
|                 | In each state, K-12 and higher ed jointly develop Grade 12 requirements for students to earn exemption |
| Level 4          | Content-Ready/Exempt from Developmental  
|                 | K-12 and higher education may jointly set Grade 12 requirements to retain exemption (optional for states) |
Estimated Percentage of Grade 11 Students at Each Achievement Level

Estimates based on Spring 2014 Smarter Balanced field test conducted in 21 states and USVI.
## 2015 Proficiency Rates (Actual)

<table>
<thead>
<tr>
<th>Grade</th>
<th>Tested</th>
<th>Proficient</th>
<th>Met/Exceeded Achievement Standard</th>
<th>Tested</th>
<th>Proficient</th>
<th>Met/Exceeded Achievement Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 3</td>
<td>14,061</td>
<td>6,525</td>
<td>46%</td>
<td>14,110</td>
<td>7,030</td>
<td>50%</td>
</tr>
<tr>
<td>Grade 4</td>
<td>13,995</td>
<td>6,739</td>
<td>48%</td>
<td>14,001</td>
<td>6,487</td>
<td>46%</td>
</tr>
<tr>
<td>Grade 5</td>
<td>13,805</td>
<td>7,431</td>
<td>54%</td>
<td>13,830</td>
<td>5,857</td>
<td>42%</td>
</tr>
<tr>
<td>Grade 6</td>
<td>13,188</td>
<td>6,151</td>
<td>47%</td>
<td>13,237</td>
<td>5,073</td>
<td>38%</td>
</tr>
<tr>
<td>Grade 7</td>
<td>12,610</td>
<td>5,517</td>
<td>44%</td>
<td>12,600</td>
<td>4,740</td>
<td>38%</td>
</tr>
<tr>
<td>Grade 8</td>
<td>11,634</td>
<td>5,430</td>
<td>47%</td>
<td>11,611</td>
<td>4,558</td>
<td>39%</td>
</tr>
<tr>
<td>Grade 11</td>
<td>9,999</td>
<td>5,302</td>
<td>53%</td>
<td>9,983</td>
<td>2,960</td>
<td>30%</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>89,292</strong></td>
<td><strong>43,095</strong></td>
<td><strong>48%</strong></td>
<td><strong>89,372</strong></td>
<td><strong>36,705</strong></td>
<td><strong>41%</strong></td>
</tr>
</tbody>
</table>
Statewide Smarter Balanced Math

• Level 4: 943

• Level 3: 2071

• Level 2: 2785

• Level 1: 4416
Universities in Eight States Agree to SB Definition of College Ready

- Nearly 220 colleges and universities in eight states (Hawaii, California, Washington, Oregon, Delaware, South Dakota, Nevada, West Virginia) have agreed to exempt students from remedial coursework if they reach the college-readiness score on Smarter Balanced assessments.
- Students in these states can sign up for specified credit-bearing courses without any remedial classes if they score a 4. They can enroll in specified courses with a score of 3 if they meet particular conditions.
- Hawaii, California, Delaware, Nevada, South Dakota, Washington, and West Virginia have 12th grade transition courses based upon score results.
Smarter Balanced Placement Policy for UH System

• In Dec. 2014, the Chief Council of Academic Officer and the Council of Student Affairs Officers approved the use of SB Scores for PLACEMENT purposes only

• For Math and English/Language Arts entry level courses only

• Scores valid for 24 months

• Pilot for graduating classes of 2016, 2017, 2018
Math Pathways Based on Smarter Balanced Achievement Levels*

SBAC Score of 2

For direct placement into Math 100, Math 11 (except UH Hilo), or Intro to Stats: 

*Student must complete the 12th grade transition course (Intro to College Math); must get a B or better in the first semester of the course*

SBAC Score of 3

For direct placement into Math 103, 104F (UH Hilo only), 110 (Hawaii CC only), 134, 135:

*Student must enroll in and complete a yearlong, calculus pathway course in 12th grade (including a combination of ALG III, Trigonometry, Analytic Geometry, Pre-Calculus, AP/IB Calculus); if available, dual credit math is encouraged*

SBAC Score of 4

Direct placement into Math 100, 111 (except at UH Hilo), or Intro to Statistics; if available, student encouraged to take dual credit Math 100

Direct placement into Math 100, 103, 104F (UH Hilo only), 110 (Hawaii CC only), 111 (except at UH Hilo), 134, 135, or Intro to Statistics; a higher level or, if available, dual credit math course is strongly recommended in 12th grade for those pursuing a STEM major

* The placement policy is valid for a three year pilot period (for the high school graduating classes of 2016, 2017, and 2018)
* Smarter Balanced scores will be valid for 24 months for placement purposes only
* Students wishing to place beyond entry level courses in ELA are encouraged to take advantage of the UH campus specific placement procedures already established
Introduction to College Mathematics

• ACCN

• Pilot for 2015-2016 Academic Year
  – Pearl City (5 classes), Farrington (1 class), Waialua (1 class), Kapa‘a (1 class)

• Assessment of Pilot

• Scaling up for 2016-2017 year
  – Aiea, Castle, King Kekaulike, Leilehua, Mililani, Molokai, Pahoa, Waiakea, Waianae, Waimea
History of the Introduction to College Mathematics Course

• Math Workgroup
  – Convened July 2014
  – Representatives from all ten UH campuses plus Dewey Gottlieb

• CHARGE: Create a 12th grade option for students identified in the 11th grade as not being college and career ready in mathematics
Introduction to College Mathematics Curriculum

• MATH 100 instructors created a list of concepts students should know to be successful in MATH 100

• These concepts were then used to created the Introduction to College Mathematics course

• The course is modeled on MATH 75, a “one level below” math course
Assessment of Pilot

• Tracking Student Success into Gateway Courses at UH

• Student Surveys/Focus Groups

• Instructor Interviews/Focus Groups
Successes

- Practical placement option (in lieu of Compass) for Early College
- Students show improved self-efficacy regarding math skills
- Strong student performance for those traditionally unsuccessful in math
- Viable option for fourth year of math for those scoring 1, 2, or 3
- Teacher satisfaction with strategies
Lessons Learned

• Timing for the placement of students

• Materials
  – Electronic Text
  – Seed money for project based activities

• Messaging to counselors and registrars
Questions?