Arizona’s Assessments

- **AIMS HS** (Standards based)
  - Grades 10, 11, 12

- **AIMS 3-8** (Standards based)
  - Grades 3 through 8

- **Stanford 10** (Norm-referenced)
  - Grades 2 and 9 (stand-alone test)
  - Grades 3 through 8 (embedded in AIMS 3-8)

- **AIMS A** (Standards based)
  - Grades 3 through 8, and 10
  - For students with significant cognitive disabilities
Arizona’s Assessments

• Arizona’s Instrument to Measure Standards (AIMS)
  • Standards Based Assessment
  • Developed by Arizona teachers
  • Owned by Arizona
  • Measures student proficiency of the Arizona Academic Content Standards in:
    • Writing
    • Reading
    • Mathematics
    • Science
  • Required by state and federal law

AIMS History 1999 - 2007

• Spring 1999 – 1st admin. of HS
  • Reading, Writing, & Mathematics
  • 1996 AZ Academic Standards

• Spring 2000 – 1st Grades 3, 5, & 8
  • Reading, Writing, and Mathematics
  • 1996 AZ Academic Standards

• Fall 2004 – 1st Fall HS admin.

• Spring 2005 – All Grades 3-8 & HS
  • Reading, Writing, and Mathematics
  • 2003 AZ Math & Reading Standards
  • 2004 AZ Writing Standard
AIMS History 2008 - 2011

- Spring 2008 – 1st Grades 4, 8, & HS
  - Science
  - 2005 AZ Science Standard

- Spring 2010– All Grades 3-8 & HS
  - Mathematics
  - Change to new NAEP aligned 2008 AZ Mathematics Standard

- Spring 2011 – Grades 5, 6, 7 & HS
  - Writing
  - Added multiple choice items to writing prompt

Graduation Requirement

- Graduation Requirement:
  - Must Pass:
    - Mathematics
    - Reading
    - Writing
  - Students with an IEP exempt
  - Can use grades to partially augment scores

- Students are not required to pass Science.
**AIMS HS**

**Writing, Reading, Mathematics**

- **Administered in the spring**
  - All 10th graders (based on cohort)

- **Administered in the fall and spring**
  - All 11th and 12th graders who have not yet met the standard
  - 11th and 12th graders who have met the standard, but not yet exceeded, may retake to improve score

- **Science is only administered in the spring since it is not tied to graduation.**

**AIMS Scaling**

- **IRT Models for AIMS and AIMS A scales:**
  - Rasch and/or Partial Credit Model
  - Scale scores reported only at the Test Level
  - Raw scores and percent correct reported at the Strand and Concept Levels
AIMS Reading & Writing

• Reading – Grades 3 - 8, & HS
  • Multiple choice
  • 3 - 8 vertically scaled (200 – 800)
  • HS independently scaled (500 – 900)

• Writing – Grades 5, 6, 7, & HS
  • One extended writing prompt
  • Multiple choice
  • All independently scaled (300 – 700)

Reading (2003 Standard)

• Reading Process
  • Grade 3: Print Concepts, Phonics, Vocabulary, & Comprehension
  • Grades 4- HS: Vocabulary & Comprehension

• Comprehending Literary Text
  • All Grades: Elements of Literature
  • Grades 7- HS: Historical and Cultural Aspects of Literature

• Comprehending Informational Text
  • All Grades: Expository, Functional, and Persuasive Text
AIMS Mathematics & Science

- Mathematics – Grades 3 - 8, & HS
  - Multiple choice
  - 3 - 8 vertically scaled (100 – 640)
  - HS independently scaled (300 – 700)

- Science – Grades 4, 8, & HS
  - Multiple choice
  - All independently scaled (300 – 700)

Mathematics (2008 Standard)

- Numbers & Operations
  - Number Sense, Numerical Operations, & Estimation

- Data Analysis, Probability, & Discrete Math
  - Data Analysis, Probability, Systematic Listing & Counting, & Vertex-Edge Graphs

- Patterns, Algebra, & Functions
  - Patterns, Functions & Relationships, Algebraic Representations, & Analysis of Change

- Geometry & Measurement
  - Geometric Properties, Transformation of Shapes, Coordinate Geometry, & Measurement

- Structure & Logic
  - Algorithms & Algorithmic Thinking & Logic, Reasoning, Problem Solving & Proof
Accommodations

• Approved categories:
  • Universal
  • Standard - Captured on Test Demographic Sheet

• Universal are available for all students.
  • Small group or one-on-one testing
  • Using devices that allow the student to see the test
    • glasses, special lighting, color overlays, …
  • Use of special furniture
  • Wearing noise buffers

Standard Accommodations

• Students with an injury
  • MC responses scribed or transferred to answer document
  • Use of assistive technology for writing without spell or grammar check or predict ahead

• ELL or FEP Students
  • More breaks
  • Simplified directions in English
  • Exact oral translation of scripted directions
  • Read aloud in English – Not Reading
  • Word-for-word translation dictionary
**Standard Accommodations**

- **Students with a disability**
  - All of the accommodations as needed for injured and ELL students
  - Place marker use
  - Personal whiteboard
  - Test at a different time of day
  - Large print
  - For a student who is blind
    - Braille edition and Braille writers
    - Electronic dictionary & thesaurus without spell or grammar check or predict ahead
    - Abacus

**Special Education Categories**

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>SLD</td>
<td>Specific Learning Disability</td>
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<tr>
<td>VI</td>
<td>Visual Impairment</td>
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<tr>
<td>MIID</td>
<td>Mild Intellectual Disability</td>
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<td>MOID</td>
<td>Moderate Intellectual Disability</td>
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<td>SID</td>
<td>Severe Intellectual Disability</td>
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<td>MD</td>
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<td>Multiple Disabilities with Severe Sensory Impairment</td>
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<td>OI</td>
<td>Other impairment</td>
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<td>TBI</td>
<td>Traumatic Brain Injury</td>
</tr>
<tr>
<td>HI</td>
<td>Hearing Impairment</td>
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</tbody>
</table>
Other Demographics Collected

- Standard Federally required data
  - Social Economic Status (currently using Free/Reduced Lunch designation)
  - Ethnicity
  - Migrant
  - English Language Learner status

- Minimum sub-group size for:
  - Performance standing - 11
  - AYP - 40

Arizona’s Assessments

- Arizona’s Instrument to Measure Standards Alternative (AIMS A)
  - For students with a significant cognitive disability
  - Based on the Alternate Academic Standards
  - Administered online each spring
AIMS A

• All grades scaled independently
  • (1000 – 1500)

• Reading – Grades 3 - 8, & HS
  • Multiple choice
  • Performance tasks

• Mathematics – Grades 3 - 8, & HS
  • Multiple choice
  • Performance tasks

• Science – Grades 4, 8, & HS
  • Multiple choice
  • Performance tasks

Arizona’s NRTs

• Stanford 10 (since 2010)
  • Terra-Nova (2005-2009)
  • Developed & owned by vendor
  • Student national percentile rank
  • Reading, Language, & Mathematics
  • Required by state law
  • Stand alone for Grades 2 and 9
  • Since 2005, for Grades 3 through 8
    embedded into AIMS Mathematics and Reading
NRT Embedded in AIMS 3-8
Reading and Mathematics

AIMS portion

AIMS Items

Stanford 10
AIMS Items

Stanford 10
Items

Stanford 10 portion