

Arizona

	Equivalent NAEP grades tested by state in 2005	Skills assessed	AYP standard	Performance standards development	Year standard adopted	Substantive changes to test since 2002-03
Reading	4 and 8	Comprehending literary text, and historical/cultural aspects of literature.	Meets the standard	Bookmark standard setting by Educators and Department of Education	2005	Spring 2005: embedded TerraNova, combined test windows, replaced items, scale, cut scores
State standards	Arizona administered Arizona's Instrument to Measure Standards (AIMS). In 2005, the state revamped its assessment to include items from the norm-referenced TerraNova (AIMS-DPA). Grades 3 through 8 were tested in reading. The state used four performance standards: falls far below the standard, approaches the standard, meets the standard, and exceeds the standard.					
State performance standard for AYP	<p>Grade 4. Students who score at the Meets the Standard level demonstrate solid academic performance on subject matter for grade-level-appropriate reading materials as reflected by the reading standard. Students who perform at this level are able to identify character traits, setting, and the sequence of events. They will be able to determine various elements of literary selections, including genre, identification of the speaker, and lessons to be learned.</p> <p>Grade 8. Students who score at the Meets the Standard level demonstrate solid academic performance on subject matter for grade-level-appropriate reading materials as reflected by the reading standard. Students who perform at this level are able to comprehend and respond to text both literally and inferentially. They will be able to analyze author's word choice to describe characters, differentiate fact from opinion, and draw logical conclusions and inferences.</p>					

Arizona

Reading

Grade	2005 NAEP scale equivalent					2005 NAEP exclusion rates			
	NAEP equivalent at the state standard for AYP	Standard error	Relative error ¹	Correlation between NAEP and state results		English language learners (ELL)	Students with disabilities	Students who are both ELL and with disabilities	
				Unadjusted	Adjusted ²				
4	Arizona grade 4 data were not available for the analysis					2.5	3.1	0.8	
8	244	1.3	1.1	0.79	0.85	1.4	2.5	0.5	

- 1 Relative error provides a measure of how well the state’s standard for AYP maps to the NAEP scale. Values of 1.5 or higher indicate poor mapping of school-level results and comparisons between NAEP and state assessments should be made with caution.
- 2 Estimate of what the correlation between NAEP and state assessment school-level percentages meeting primary state standards would have been if it were based on a standard set at the student population median and with no school samples having fewer than 30 students.

State accommodations not allowed on NAEP	Audiotape version of test, amplification equipment, audio/video equipment, noise buffer, tape recorder, multiple sessions, taking the test over multiple days, and study carrel. The following are considered non-standard accommodations on AIMS and are allowed on the state assessment but not on NAEP: reading questions aloud (if used on reading portions), spell checker/assistance (writing portion), speech text/device (writing portion).
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Arizona

	Equivalent NAEP grades tested by state in 2005	Skills assessed	AYP standard	Performance standards development	Year standard adopted	Substantive changes to test since 2002-03
Mathematics	4 and 8	Number sense; data analysis and probability; patterns, algebra, and functions; geometry; measurement and discrete mathematics; mathematical structure/logic	Meets the standard	Bookmark standard setting by Educators and Department of Education	2005	Spring 2005: embedded TerraNova, combined test windows, replaced items, scale, cut scores
State standards	Arizona administered Arizona's Instrument to Measure Standards (AIMS). In 2005, the state revamped its assessment to include items from the norm-referenced TerraNova (AIMS-DPA). Grades 3 through 8 were tested in mathematics. The state used four performance standards: falls far below the standard, approaches the standard, meets the standard, and exceeds the standard.					
State performance standard for AYP	<p>Grade 4. Students who score at the Meets the Standard level demonstrate solid academic performance on subject matter as reflected by the math standard. Students who perform at this level are able to subtract whole numbers, solve addition or subtraction equations with a variable, and determine the equivalency among fractions, decimals, and percents. They can find the perimeter of polygons, evaluate expressions with one algebraic variable, and utilize rules for creating patterns and functions.</p> <p>Grade 8. Students who score at the Meets the Standard level demonstrate solid academic performance on subject matter as reflected by the math standard. Students who perform at this level are able to represent rational numbers on a number line, solve problems involving rate, and identify and classify angles created by transversals intersecting parallel lines. They can identify graphical representations of tables of values, apply properties of triangles, and use a variety of strategies to solve logic problems.</p>					

Arizona

Mathematics

Grade	2005 NAEP scale equivalent					2005 NAEP exclusion rates			
	NAEP equivalent at the state standard for AYP	Standard error	Relative error ¹	Correlation between NAEP and state results		English language learners (ELL)	Students with disabilities	Students who are both ELL and with disabilities	
				Unadjusted	Adjusted ²				
4	Arizona grade 4 data were not available for the analysis					1.4	1.7	0.9	
8	265	1.1	1.1	0.83	0.89	1.6	2.4	0.5	

- 1 Relative error provides a measure of how well the state's standard for AYP maps to the NAEP scale. Values of 1.5 or higher indicate poor mapping of school-level results and comparisons between NAEP and state assessments should be made with caution.
- 2 Estimate of what the correlation between NAEP and state assessment school-level percentages meeting primary state standards would have been if it were based on a standard set at the student population median and with no school samples having fewer than 30 students.

<p>State accommodations not allowed on NAEP</p>	<p>Audiotape version of test, amplification equipment, audio/video equipment, noise buffer, tape recorder, thesaurus, multiple sessions, taking the test over multiple days, and study carrel. The following are considered non-standard accommodations if used on the mathematics portion of Arizona's Instrument to Measure Standards and are allowed on the state assessment but not on NAEP: Calculator, abacus (allowed only for blind students), and manipulatives. The following are considered non-standard accommodations if used on the writing portion of AIMS and are allowed with implications for scoring and/or aggregation: spell checker/assistance, speech/text device.</p>
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