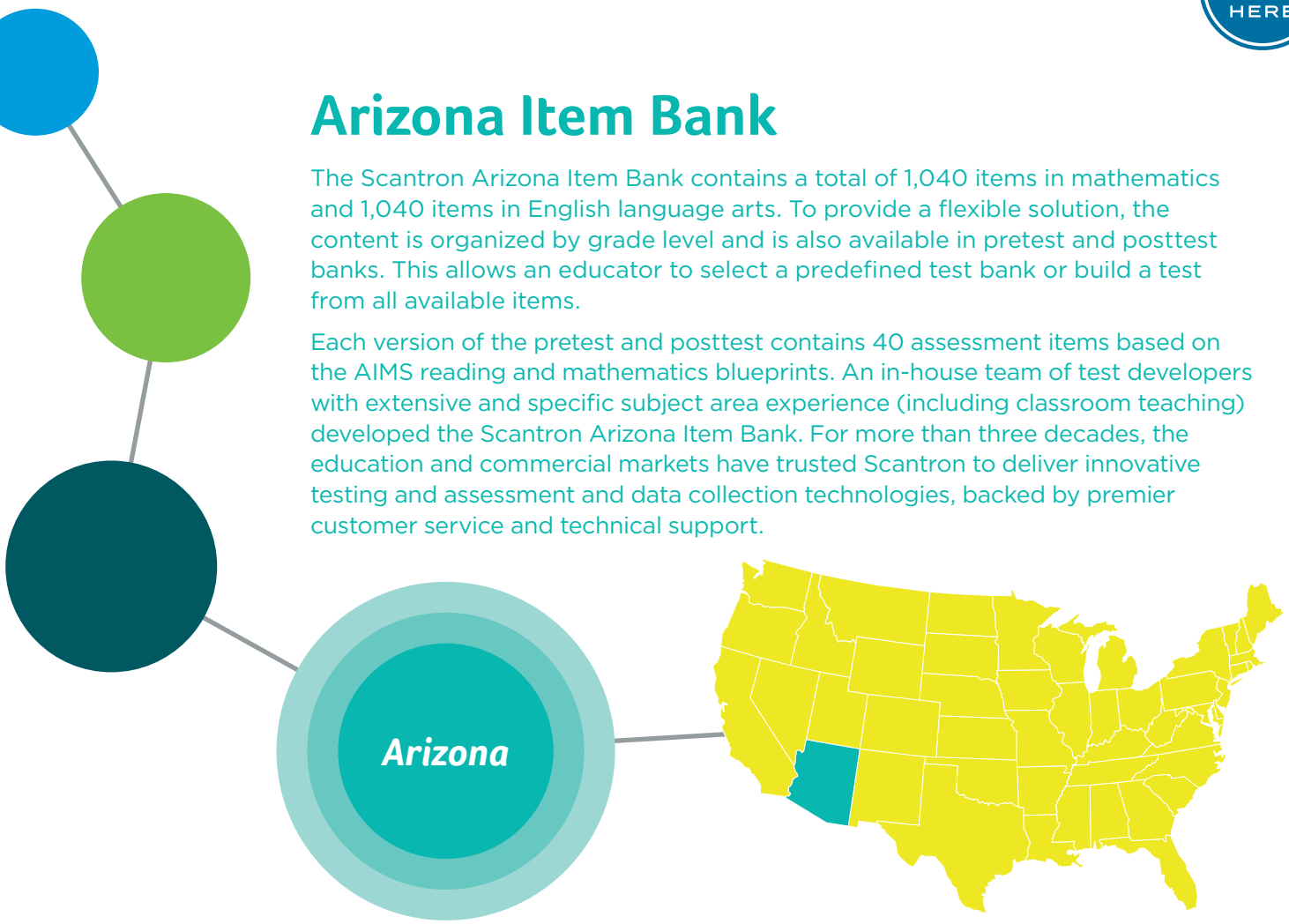
SCANTRON
ASSESSMENT SOLUTIONS

SMART STARTS HERE

Arizona Item Bank

The Scantron Arizona Item Bank contains a total of 1,040 items in mathematics and 1,040 items in English language arts. To provide a flexible solution, the content is organized by grade level and is also available in pretest and posttest banks. This allows an educator to select a predefined test bank or build a test from all available items.

Each version of the pretest and posttest contains 40 assessment items based on the AIMS reading and mathematics blueprints. An in-house team of test developers with extensive and specific subject area experience (including classroom teaching) developed the Scantron Arizona Item Bank. For more than three decades, the education and commercial markets have trusted Scantron to deliver innovative testing and assessment and data collection technologies, backed by premier customer service and technical support.



Arizona State Standard Alignments	
Subject	**State Standard Document**
Mathematics	Arizona Grade Level Articulations 2008
Reading	Arizona Grade Level Articulations 2003

Comprehensive, State Standard Aligned Items

The Scantron Arizona Item Bank was first released in 2011 to help K–12 educators create tests and interim assessments for their students. These assessments are aligned to the Arizona Grade Level Articulations and address skills and concepts typically assessed on the AIMS reading and mathematics tests. This alignment to state standards provides administrators and teachers with standards-based reports that inform instruction.

Rigorous Item Development Process

Scantron employs a team of experienced content experts who build and maintain the Scantron Arizona Item Bank. This team of experts draws from target item difficulty levels and curricular domains, along with a library of specifically targeted resources (nationally adopted textbooks, grade appropriate literature, etc.). Further, a variety of readability measures are used to calculate and verify the readability level of any passages aligned to items. Each item draft is then submitted to a team of independent editors for a peer review covering completeness, grammatical correctness, and grade-appropriateness.

Arizona Item Bank Counts

Grade	English Language Arts	Mathematics
Kindergarten	80	80
Grade 1	80	80
Grade 2	80	80
Grade 3	80	80
Grade 4	80	80
Grade 5	80	80
Grade 6	80	80
Grade 7	80	80
Grade 8	80	80
Grade 9	80	
Grade 10	80	
Grade 11	80	
Grade 12	80	
Grades 9 - 10		160
Grades 11 - 12		160
Total Per Subject	1,040	1,040
Total Across Subjects: 2,080		

Arizona Pretests and Posttests Bank

English Language Arts Item Banks	Number of Items Per Test	Mathematics Item Banks	Number of Items Per Test
Kindergarten	40	Grade K	40
Grade 1	40	Grade 1	40
Grade 2	40	Grade 2	40
Grade 3	40	Grade 3	40
Grade 4	40	Grade 4	40
Grade 5	40	Grade 5	40
Grade 6	40	Grade 6	40
Grade 7	40	Grade 7	40
Grade 8	40	Grade 8	40
Grade 9	40	Grade 9-10 Test A	40
Grade 10	40	Grade 9-10 Test B	40
Grade 11	40	Grade 11-12 Test A	40
Grade 12	40	Grade 11-12 Test B	40

Additional training on Item Writing and Item Banking is required, with training materials developed from the following resources:

- American Educational Research Association, American Psychological Association, & National Council on Measurement in Education. Standards for Educational and Psychological Testing. Washington, DC: American Psychological Association, 1999.
- Haladyna, Thomas M. Developing and Validating Multiple-Choice Test Items. Mahwah, New Jersey: Lawrence Erlbaum Associates, 1999.
- Roid, Gale H. and Thomas Haladyna. A Technology for Test-Item Writing. Orlando, Florida: Academic Press, 1982.

Scantron's Item Editing Team consists of professional educators (credentialed teachers and university professors) from across the United States, including the state of Arizona. This team carefully analyzes question stem and response choice construction. The analysis includes areas such as the likely discrimination index for response choices, age-appropriateness, interest level, bias, sentence structure, vocabulary, clarity, grammar and spelling.

Further, a different team of educational experts from a sample of national educational communities representing diverse cultural backgrounds conducts a bias review. Bias reviewers analyze how many passages and items have male or female main characters, and whether each character has active or passive voice. In addition, the bias editors ensure passages and items contain ethnic or cultural diversity.

Arizona Test Bank

Each Arizona Pretest and Posttest Bank has 40 items. Grades K–2 include a proctor format and a student format. All items included in the pretest and posttest banks are also found in the Arizona Item Bank. The Arizona Grade Level Articulations for mathematics are banded for grades 9–10 and 11–12. To provide the same comprehensive coverage for these grades, there are two sets of tests for each set of banded standards. The chart shows a 9–10A and 9–10B as well as an 11–12A and 11–12B set of tests. While the A and B versions have distinct blueprints (both based on the percentages indicated by the AIMS mathematics structure) there is some overlap where there are not enough unique standards within specific strands/concepts.

Part of a Complete Assessment Solution

Scantron's solution combines a research-based, content-rich computer adaptive test and a content-neutral, highly flexible testing platform that educators use to develop and administer online and paper-based tests. Scantron's complete assessment solution helps educators meet accountability requirements and raise the level of student achievement through a unique combination of standards-based assessment and computer-adaptive diagnostic testing.

About Us

Scantron® provides a comprehensive set of solutions that help improve student outcomes in K–12 education. We offer software and services to meet the needs of customers' assessment programs regardless of where they are on the technology spectrum—pure paper, pure online, or anywhere in between.