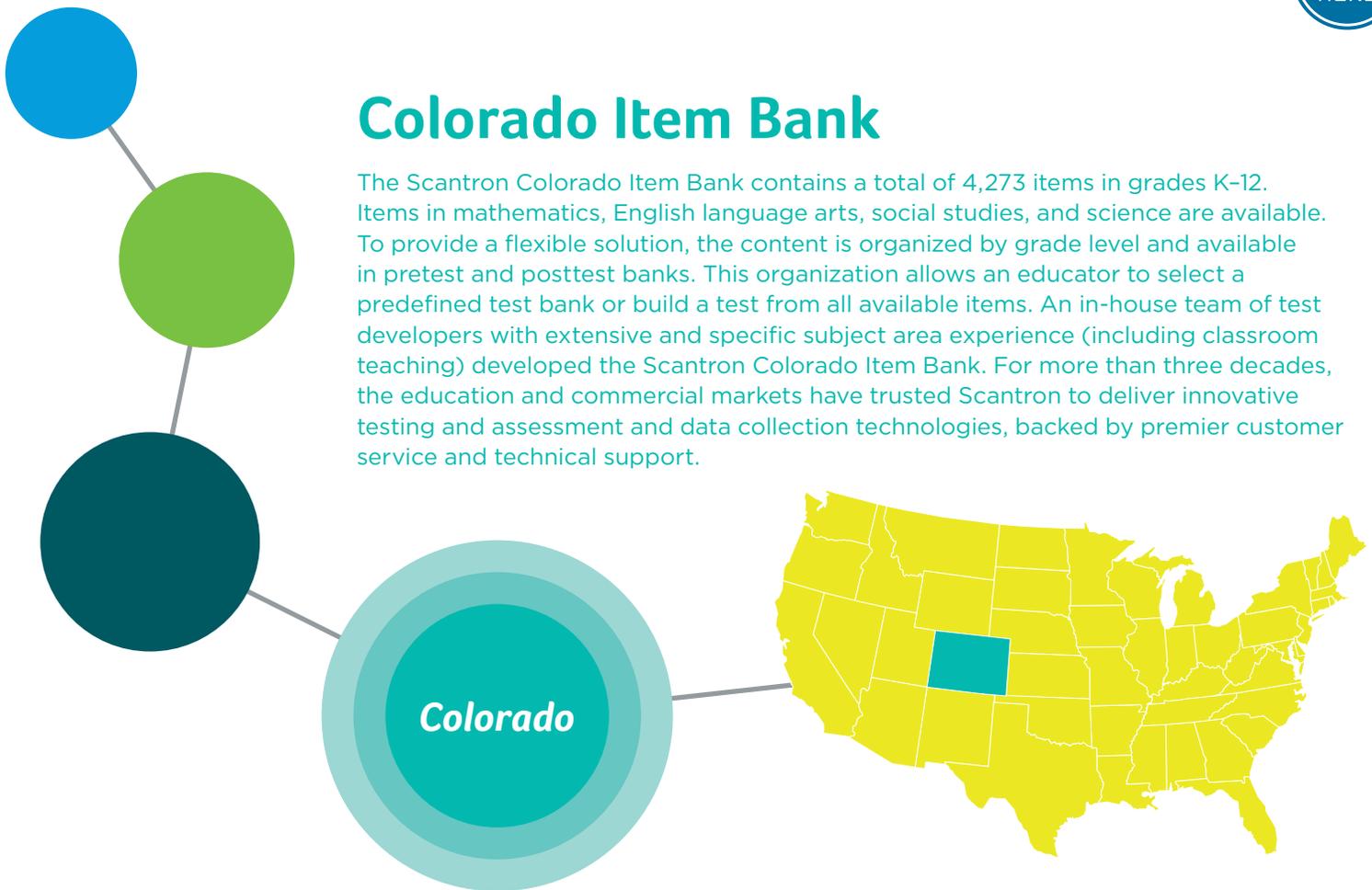


# Colorado Item Bank

The Scantron Colorado Item Bank contains a total of 4,273 items in grades K-12. Items in mathematics, English language arts, social studies, and science are available. To provide a flexible solution, the content is organized by grade level and available in pretest and posttest banks. This organization allows an educator to select a predefined test bank or build a test from all available items. An in-house team of test developers with extensive and specific subject area experience (including classroom teaching) developed the Scantron Colorado 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.



## Colorado State Standard Alignments

Subject	State Standard Document
English language arts	Colorado Academic Standards CCSS Supplement 2010 and Common Core State Standards 2010
Mathematics	Colorado Academic Standards CCSS Supplement 2010 and Common Core State Standards 2010
Science	Colorado Academic Standards 2009
Social Studies	Colorado Academic Standards 2009

### Comprehensive, State Standard Aligned Items

The Scantron Colorado Item Bank was first released in January, 2013 to help K-12 educators create tests and interim assessments for their students. The Scantron content team carefully reviewed documentation available from the Colorado Department of Education. Item banks are aligned to the standards and emulate the content and structure of the TCAP, with a minimum of 2 items

for all assessable standards and a minimum of 15% CR items in each grade level. This alignment to state standards provides administrators and teachers with standards-based reports that inform instruction.

### Rigorous Item Development Process

Scantron maintains a team of experienced content experts who develop the Scantron Colorado Item Bank. This team of experts draws from target item difficulty levels

and curricular domains and a library of specifically targeted resources (nationally adopted textbooks, grade appropriate literature, etc.). Further, we use a variety of readability measures to calculate and verify the readability level of any passages aligned to items. Each item draft is submitted to a team of independent editors for a peer review covering completeness, grammatical correctness, and grade-appropriateness.

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. 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.

## Pretest and Posttest Item Banks

Pretest and Posttest item banks provide a preset structure. The number of items in each Colorado Pretest and Posttest Bank varies based on grade level and subject area. Each set of tests (pretest/posttest) include the same number of items and assess the same standards. There are a minimum of 25 items per pretest and posttest; most of the pretest and posttest banks contain 40–50 items.

## Part of a Complete Assessment Solution

Scantron’s solution combines a research-based, content-rich computer adaptive test and a Scantron’s solution 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.

**Colorado Item Bank Counts**

Grade	Mathematics	Reading	Social Studies	Science
Kindergarten	83	111		
Grade 1	100	117		
Grade 2	119	110		
Grade 3	119	122		
Grade 4	163	155	90	
Grade 5	134	149		80
Grade 6	229	142		
Grade 7	224	142	110	
Grade 8	200	150		100
Grades 9-12	540			
Grade 9		132		
Grade 10		141		100
Grade 11		169	128	
Grade 12		114		
<b>Total per Subject</b>	<b>1,911</b>	<b>1,754</b>	<b>328</b>	<b>280</b>
<b>Total Across Subjects: 4,273</b>				



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## 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.