

WY-ALT Scale Score Proficiency-Level Ranges updated 8/15/2022

The WY-ALT ELA and math scale and performance-level cut scores were determined by standard-setting panels in July 2019 and in June 2022 for science. The standard-setting process addressed the Wyoming Extended Standards for grades 3-10 in English Language Arts (ELA) and Mathematics and grades 4, 8, and 10 in Science.

SCALE SCORE PROFICIENCY-LEVEL RANGES FOR GRADES 3–10 ENGLISH LANGUAGE ARTS

Grade	Below Basic	Basic	Proficient	Advanced
3	≤275	276-299	300-314	≥315
4	≤277	278-299	300-336	≥337
5	≤274	275-299	300-326	≥327
6	≤284	285-299	300-335	≥336
7	≤280	281-299	300-344	≥345
8	≤279	280-299	300-324	≥325
9	≤283	284-299	300-327	≥328
10	≤283	284-299	300-327	≥328

SCALE SCORE PROFICIENCY-LEVEL RANGES FOR GRADES 3–10 MATHEMATICS

Grade	Below Basic	Basic	Proficient	Advanced
3	≤282	283-299	300-317	≥318
4	≤278	279-299	300-324	≥325
5	≤285	286-299	300-323	≥324
6	≤286	287-299	300-319	≥320
7	≤272	273-299	300-323	≥324
8	≤285	286-299	300-322	≥323
9	≤282	283-299	300-314	≥315
10	≤282	283-299	300-314	≥315

SCALE SCORE PROFICIENCY-LEVEL RANGES FOR GRADES 4, 8, 10 SCIENCE

Grade	Below Basic	Basic	Proficient	Advanced
4	≤276	277-299	300-328	≥329
8	≤270	271-299	300-335	≥336
10	≤263	264-299	300-324	≥325

How Were the Cut Scores Determined for ELA and Math?

From July 16–18, 2019, AIR (now CAI) facilitated standard-setting workshops for grades 3-10 in English Language Arts (ELA) and Mathematics. The 72-member panel was composed of Wyoming teachers, curriculum specialists, education administrators, and other stakeholders.

The members were selected from large and small Wyoming school districts throughout the state, ensuring diverse perspectives throughout the standard-setting process.

The panelists used the Bookmark method, the most common procedure used throughout the country and for previous Wyoming assessments. Panelists were given a booklet of items ordered by level of difficulty. During the process, the panelists referenced the Wyoming Extended Standards, the Achievement-Level Descriptors (ALDs), and student performance data from the 2019 WY-ALT Summative Assessment. The panelists bookmarked items representative of minimum performance of Basic, Proficient, and Advanced performance levels. There were multiple rounds of review and resolution during the three-day workshop.

The cut scores are used to determine the four performance levels: Below Basic, Basic, Proficient, and Advanced.

How Were the Cut Scores Determined for Science?

From June 16-17, 2022, CAI facilitated a standard-setting workshop for Science in grades 4, 8, and 10. The 30-member panel was composed of Wyoming teachers, curriculum specialists, education administrators, and other stakeholders. The members were selected from large and small Wyoming school districts throughout the state, ensuring diverse perspectives throughout the standard-setting process.

The panelists used the Bookmark method, the most common procedure used throughout the country and for previous Wyoming assessments. Panelists were given a booklet of items ordered by level of difficulty. During the process, the panelists referenced the Achievement-Level Descriptors (ALDs), impact data, and student performance data from the 2022 WY-TOPP Science Summative Assessment. The panelists bookmarked items representative of minimum performance of Basic, Proficient, and Advanced performance levels. There were multiple rounds of review and resolution during the two-day workshop.

The cut scores are used to determine the four performance levels - Below Basic, Basic, Proficient, and Advanced.

Was Student Information From Wyoming Students Used to Set Cut Scores?

Yes. For ELA and math, panelists reviewed student performance data from the Spring 2019 WY-ALT Summative administration during each round of review in the bookmarking process. For science, panelists reviewed student performance data from the Spring 2022 WY-ALT Summative administration.