

The high-level blueprint for the Alaska Science Assessment overall designs for each test, reporting categories, number of items, number of points in each category, and the estimated testing time by grade level in the charts below.

Table 1. Grade 4 Blueprint

Reporting Category (based on Alaska Performance Standard)	Grade Level Expectations (GLEs)	Multiple Choice (MC)	Short Constructed Response (SCR)	Total Number of Items	Total Points
A, E, G – Inquiry, Technology, and Nature of Science	7	18	2	20	22
B – Concepts of Physical Science	2	8	0	8	8
C – Concepts of Life Science	6	10	0	10	10
D – Concepts of Earth Science	6	10	0	10	10
Total	21	46	2	48	50

Table 2. Grade 8 Blueprint

Reporting Category (based on Alaska Performance Standard)	Grade Level Expectations (GLEs)	Multiple Choice (MC)	Short Constructed Response (SCR)	Extended Constructed Response (ECR)	Total Number of Items	Total Points
A, E, G – Inquiry and Nature of Science	3	16	0	1	20	22
B – Concepts of Physical Science	4	12	1	0	8	8
C – Concepts of Life Science	6	14	1	0	10	10
D – Concepts of Earth Science	5	10	1	0	10	10
Total	18	52	3	1	56	62

Table 3. Grade 10 Blueprint

Reporting Category (based on Alaska Performance Standard)	Grade Level Expectations (GLEs)	Multiple Choice (MC)	Short Constructed Response (SCR)	Extended Constructed Response (ECR)	Total Number of Items	Total Points
A, E, G – Inquiry, Technology, Society, and Nature of Science	8	16	0	1	17	20
B – Concepts of Physical Science	7	12	1	0	13	14
C – Concepts of Life Science	6	12	1	0	13	14
D – Concepts of Earth Science	8	12	0	1	13	16
Total	29	52	2	2	56	64

Table 4. Estimated Test Time for Science by Grade Level

Grade Level	Estimated Time
Grade 4	60 minutes
Grades 8	70 minutes
Grades 10	70 minutes

The estimated test times in the above table are approximate and do not include time needed to start computers, log in students, hand out test materials, and read test directions.