

**Oklahoma School Testing Program
Oklahoma Modified Alternate Assessment Program
Grade 8 Science
Test Blueprint
School Year 2012-2013**

The Test Blueprint reflects the degree to which each standard and objective is represented on the test. The overall distribution of operational items in a test form is intended to look as follows:

Process Standards and Objectives	Ideal Number of Items	Ideal ¹ Percentage of Items
Observe and Measure (P1.0)	7–10	18%–24%
Qualitative/quantitative observations/changes (P1.1)	4–6	
SI (metrics) units/appropriate tools (P1.2 and P1.3)	3–5	
Classify (P2.0)	6–9	16%–20%
Classification system (P2.1)	3–5	
Properties ordered (P2.2)	3–4	
Experiment (P3.0)	13–16	33%–38%
Experimental design (P3.2)	5–6	
Identify variables (P3.3)	5–6	
Hazards/practice safety (P3.6)	3–4	
Interpret and Communicate (P4.0)	11–13	27%–31%
Data tables/line/bar/trend and circle graphs (P4.2)	6–7	
Explanations/prediction (P4.3)	5–6	
Total Test	40–43²	100%

1 Percentages are approximations and may result in a sum other than 100 due to rounding.

2 The actual number of items scored for a student may be slightly lower pending a review of item statistics.

Student performance on the multiple-choice test will be reported at the standard level. A minimum of 6 items is required to report a standard. While the actual numbers of items on the test may not match the blueprint exactly, each future test will move toward closer alignment with the ideal blueprint.

**Oklahoma School Testing Program
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Grade 8 Science (Continued)
Test Blueprint
School Year 2012-2013**

Content Standards and Objectives	Ideal Number of Items	Ideal ¹ Percentage of Items
Properties and Chemical Changes in Matter (1.0)	7–8	18%–21%
Chemical reactions (1.1)	3–4	
Conservation of matter (1.2)	3–4	
Motion and Forces (2.0)	7–8	18%–21%
Motion of an object (2.1)	3–4	
Object subjected to a force (2.2)	3–4	
Diversity and Adaptations of Organisms (3.0)	6–7	15%–18%
Classification (3.1)	3	
Internal and external structures (3.2)	3–4	
Structures/Forces of the Earth/Solar System (4.0)	10–11	26%–28%
Landforms result from constructive and destructive forces (4.1)	3–4	
Rock cycle (4.2)	3–4	
Global Weather Patterns (4.3)	3–4	
Earth's History (5.0)	7	18%
Catastrophic events (5.1)	3–4	
Fossil evidence (5.2)	3–4	
Total Test	36–40^{2*}	100%**

* Safety items are not included within the content blueprint.

** The approximate percentages are based on the total number of items on the test matched to the content standards and do not include items added for safety.

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² The actual number of items scored for a student may be slightly lower pending a review of item statistics.

• Student performance on the multiple-choice test will be reported at the standard level. A minimum of 6 items is required to report a standard. While the actual numbers of items on the test may not match the blueprint exactly, each future test will move toward closer alignment with the ideal blueprint.