

Oklahoma School Testing Program

Grade 8 Science – Test Blueprint

School Years 2014-2015 and 2015-2016

The blueprint describes the content and structure of an assessment and defines the ideal number of test items by standard and objective of the Priority Academic Student Skills/ Oklahoma Academic Standards (PASS-2011/OAS).

Process/Inquiry Standards and Objectives	Ideal Number of Items	Ideal Percentage of Items
P1.0 Observe and Measure	8 - 11	18% - 24%
1.1 Qualitative/Quantitative Observations/Changes	4 - 6	
1.2, 1.3 Appropriate Tools and SI (metric) Units	4 - 5	
P2.0 Classify	7 - 9	16% - 20%
2.1 Classification System	4 - 6	
2.2 Properties Variables	3 - 5	
P3.0 Experiment	15 - 17	33% - 38%
3.2 Experimental Design	6 - 7	
3.3 Identify Variables	6 - 7	
3.4 Hazards/Practice Safety	3 - 4	
P4.0 Interpret and Communicate	12 - 14	27% - 31%
4.2 Data Tables/Line/Bar/Trend and Circle Graphs	6 - 7	
4.3 Explanations/Prediction	6 - 7	
Total Test	45	100%

(Please note this blueprint does not include items that may be field-tested.)

- A minimum of 6 items is required to report a standard, and a minimum of 4 items is required to report results for an objective.

Oklahoma School Testing Program
Grade 8 Science – Test Blueprint
School Years 2014-2015 and 2015-2016

Content Standards and Objectives	Ideal Number of Items	Ideal Percentage of Items
C1.0 Properties and Chemical Changes in Matter	8	19%
1.1 Chemical Reactions	4	
1.2 Conservation of Matter	4	
C2.0 Motion and Forces	8	19%
2.1 Motion of an Object	4	
2.2 Object Subjected to a Force	4	
C3.0 Diversity and Adaptations of Organisms	7	17%
3.1 Classification	3	
3.2 Internal and External Structures	4	
C4.0 Structures/Forces of the Earth/Solar System	11	27%
4.1 Landforms Result from Constructive and Destructive Forces	4	
4.2 Rock Cycle	3 - 4	
4.3 Global Weather Patterns	3 - 4	
C3.0 Earth's History	7 - 8	18%
5.1 Catastrophic Events	3 - 4	
5.2 Fossil Evidence	3 - 4	
Total Test	41 - 42¹	100%

(Please note this blueprint does not include items that may be field-tested.)

¹ Each test item aligns to both a Process Standard/Objective and a Content Standard/Objective, except for Safety Items which only align to P3.4.