

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

*(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.

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<b>Content Standards and Objectives</b>	<b>Ideal Number of Items</b>	<b>Ideal Percentage of Items</b>
<b>C1.0 Properties and Chemical Changes in Matter</b>	<b>8</b>	<b>19%</b>
1.1 Chemical Reactions	4	
1.2 Conservation of Matter	4	
<b>C2.0 Motion and Forces</b>	<b>8</b>	<b>19%</b>
2.1 Motion of an Object	4	
2.2 Object Subjected to a Force	4	
<b>C3.0 Diversity and Adaptations of Organisms</b>	<b>7</b>	<b>17%</b>
3.1 Classification	3	
3.2 Internal and External Structures	4	
<b>C4.0 Structures/Forces of the Earth/Solar System</b>	<b>11</b>	<b>27%</b>
4.1 Landforms Result from Constructive and Destructive Forces	4	
4.2 Rock Cycle	3 - 4	
4.3 Global Weather Patterns	3 - 4	
<b>C3.0 Earth's History</b>	<b>7 - 8</b>	<b>18%</b>
5.1 Catastrophic Events	3 - 4	
5.2 Fossil Evidence	3 - 4	
<b>Total Test</b>	<b>41 - 42<sup>1</sup></b>	<b>100%</b>

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

<sup>1</sup> Each test item aligns to both a Process Standard/Objective and a Content Standard/Objective, except for Safety Items which only align to P3.6.