

**Oklahoma School Testing Program
Oklahoma Core Curriculum Tests
Grade 8 Science
Test Blueprint
School Year 2011-2012**

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

<i>PASS</i> Process Standards and Objectives	Ideal Number of Items for Alignment to <i>PASS</i> *	Ideal Percentage of Items **
Observe and Measure	8	18%
Qualitative/quantitative observations/changes (P1.1)	4	
SI (metrics) units/appropriate tools (P1.2 and P1.3)	4	
Classify	8	18%
Classification system (P2.1)	4	
Properties ordered (P2.2)	4	
Experiment	16	36%
Experimental design (P3.2)	6	
Identify variables (P3.3)	6	
Hazards/practice safety (P3.6)	4	
Interpret and Communicate	13	29%
Data tables/line/bar/trend and circle graphs (P4.2)	7	
Explanations/prediction (P4.3)	6	
Total Test	45	100%

* A minimum of 4 items is required to report results for an objective, and 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.

** Percents are approximations and may result in a sum other than 100 due to rounding.

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Grade 8 Science (Continued)
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<i>PASS</i> Content Standards and Objectives	Ideal Number of Items for Alignment to <i>PASS</i>	Ideal Percentage of Items
Properties and Chemical Changes in Matter	7-8	19%
Chemical reactions (1.1)	3-4	
Conservation of matter (1.2)	3-4	
Motion and Forces	8	20%
Motion of an object (2.1)	4	
Object subjected to a force (2.2)	4	
Diversity and Adaptations of Organisms	9	22%
Classification (3.1)	5	
Internal and external structures (3.2)	4	
Structures/Forces of the Earth/Solar System	8	20%
Landforms result from constructive and destructive forces (4.1)	4	
Rock cycle (4.2)	4	
Earth's History	7-8	19%
Catastrophic events (5.1)	3-4	
Fossil evidence (5.2)	3-4	
<i>Total Test</i>	<i>41*</i>	<i>100%**</i>

* Safety items are not included within the content blueprint

** The ideal percents are based on the total number of items on a test that are matched to the content standards and do not include items added for safety.