Oklahoma School Testing Program
Grade 8 Science Test Blueprint
School Years
2014-2015 & 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 Oklahoma Academic Standards (PASS 2011).

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 Appropriate tools & 1.3 SI (metric) units	4-5	
P2.0 Classify	**7-9**	**16-20%**
2.1 Classification system	4-6	
2.2 Properties ordered	3-5	
P3.0 Experiment	**15-17**	**33-38%**
3.2 Experimental design	6-7	
3.3 Identify variables	6-7	
3.6 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 included for field testing.)

- 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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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	
C5.0 Earth's History	**7-8**	**18%**
5.1 Catastrophic events	3-4	
5.2 Fossil evidence	3-4	
Total Test	**41-42**[1]	**100%**

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