

**Oklahoma School Testing Program
Oklahoma Core Curriculum Tests
ACE Biology I
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:

PASS Process/Inquiry Standards and Objectives	Ideal Number of Items	Ideal Percentage of Test
Observe and Measure (P1.0)	8	13%
Qualitative/quantitative observations and changes (P1.1)	4	
Use appropriate System International (SI) units and tools (P1.2 & P1.3)	4	
Classify (P2.0)	8	13%
Use observable properties to classify (P2.1)	4	
Identify properties of a classification system (P2.2)	4	
Experiment (P3.0)	16	27%
Evaluate the design of investigations (P3.1)	4	
Identify a testable hypothesis, variables, and control in an experiment (P3.2 & P3.4)	4	
Use mathematics to show relationships (P3.3)	4	
Identify potential hazards and practice safety procedures in all science activities (P3.5)	4	
Interpret and Communicate (P4.0)	20	34%
Select predictions based on observed patterns of evidence (P4.1)	4	
Interpret line, bar, trend, and circle graphs (P4.3)	4	
Accept or reject a hypothesis (P4.4)	4	
Make logical conclusions based on experimental data (P4.5)	4	
Identify an appropriate graph or chart (P4.8)	4	
Model (P5.0)	8	13%
Interpret a model which explains a given set of observations (P5.1)	4	
Select predictions based on models (P5.2)	4	
Total Test	60	100%

**Oklahoma State Testing Program
Oklahoma Core Curriculum Tests
ACE Biology I (Continued)
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> Content Standards and Objectives	Ideal Number of Items	Ideal Percentage of Test
The Cell (1.0)	8-12	14%-21%
Cell structures and functions (1.1)	4-6	
Differentiation of cells (1.2)	4-6	
The Molecular Basis of Heredity (2.0)	8-12	14%-21%
DNA structure and function in heredity (2.1)	4-6	
Sorting and recombination of genes (2.2)	4-6	
Biological Diversity (3.0)	8-12	14%-21%
Variation among organisms (3.1)	4-6	
Natural selection and biological adaptations (3.2)	4-6	
The Interdependence of Organisms (4.0)	12-15	21%-27%
Earth cycles including abiotic and biotic factors (4.1)	4-5	
Organisms both cooperate and compete (4.2)	4-5	
Population dynamics (4.3)	4-5	
Matter/Energy/Organization in Living Systems (5.0)	8-12	14%-21%
Complexity and organization used for survival (5.1)	4-6	
Matter and energy flow in living and nonliving systems (5.2)	4-6	
The Behavior of Organisms (6.0)	8-10	14%-18%
Specialized cells (6.1)	4-5	
Behavior patterns can be used to ensure reproductive success (6.2)	4-5	
Total Test	56¹	100%

- A minimum of four items is required to report results for an objective, and six items are required to report for a standard.
- Percents are approximations and may result in a sum other than 100 due to rounding.
- First column represents the standards and objectives in *PASS* assessed on the Oklahoma Core Curriculum Tests (OCCT).
- Second column represents the goal for aligning the OCCT to the *PASS* standards and objectives.

¹ Four out of the 60 total items assess the "Safety" process standard for which there is no corresponding content standard.