

**Oklahoma Core Curriculum Tests (OCCT) State Results Summary
Grade 5 Science – 2015 Spring Administration**

Total Valid Test Scores¹ – 48,502

	Percent ³
At or Above Proficient	53%
Below Proficient	47%
Mean Scale Score	700

Proficiency Level	OPI Score Range	Percent ³	Cut Score
Advanced	767-990	19%	40/45
Proficient	700-766	35%	33/45
Limited Knowledge	652-699	24%	26/45
Unsatisfactory	400-651	22%	

Process/Inquiry Standard	# of Items	Mean % Correct ²
P1.0 Observe and Measure	10	71%
P1.1 SI Metric	6	72%
P1.2 Similar/Different Characteristics	4	69%
P2.0 Classify	10	71%
P2.1 Observe Properties	5	71%
P2.2 Serial Order	5	71%
P3.0 Experiment	13	73%
P3.2 Experimental Design	9	68%
P3.4 Hazards/Practice Safety	4	85%
P4.0 Interpret and Communicate	12	68%
P4.2 Data Tables/Line/Bar/Trend and Circle Graphs	4	74%
P4.3 Prediction Based on Data	4	63%
P4.4 Explanations Based on Data	4	66%
Content Standards	# of Items	Mean % Correct ²
1.0 Properties of Matter and Energy	17	70%
1.1 Matter Has Physical Properties	4	74%
1.2 Physical Properties Can Be Measured	5	72%
1.3 Energy Can Be Transferred	4	76%
1.4 Potential/Kinetic Energy	4	57%
2.0 Organisms and Environments	12	67%
2.1 Dependence Upon Community	7	71%
2.2 Individual Organism and Species Survival	5	60%
3.0 Structures of the Earth and the Solar System	12	71%
3.1 Properties of Soil	4	62%
3.2 Weather Patterns	4	73%
3.3 Earth as a Planet	4	76%

¹**BR, OP, and RT EXCLUDED** – Braille, Other Placement, and Grade Level Repeat Testers are excluded from these results.

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³**Percentages** are approximations and may result in a sum other than 100 due to rounding.

NR =Not Reported. Not enough items in the Standard (minimum 6 items) or Objective (minimum 4 items) to report.

**Oklahoma Core Curriculum Tests (OCCT) State Results Summary
Grade 8 Science– 2015 Spring Administration**

Total Valid Test Scores¹ – 47,340

	Percent ³
At or Above Proficient	52%
Below Proficient	48%
Mean Scale Score	700

Proficiency Level	OPI Score Range	Percent ³	Cut Score
Advanced	756-990	17%	38/45
Proficient	700-755	35%	31/45
Limited Knowledge	664-699	27%	24/45
Unsatisfactory	400-663	21%	

Process/Inquiry Standard	# of Items	Mean % Correct ²
P1.0 Observe and Measure	9	66%
P1.1 Qualitative/Quantitative Observations/Changes	4	75%
P1.2 SI (metrics) Units & P1.3 Appropriate Tools	5	59%
P2.0 Classify	7	73%
P2.1 Classification System	4	74%
P2.2 Properties Ordered	3	NR
P3.0 Experiment	16	65%
P3.2 Experimental Design	6	61%
P3.3 Identify Variables	6	53%
P3.6 Hazards/Practice Safety	4	87%
P4.0 Interpret and Communicate	13	65%
P4.2 Data Tables/Line/Bar/Trend and Circle Graphs	7	62%
P4.3 Explanations/Predictions	6	69%
Content Standards	# of Items	Mean % Correct ²
1.0 Properties and Chemical Changes in Matter	8	63%
1.1 Chemical Reactions	4	67%
1.2 Conservation of Matter	4	59%
2.0 Motion and Forces	8	60%
2.1 Motion of an Object	4	65%
2.2 Object Subjected to a Force	4	55%
3.0 Diversity and Adaptations of Organisms	7	73%
3.1 Classification	3	NR
3.2 Internal and External Structures	4	77%
4.0 Structures/Forces of the Earth/Solar System	11	62%
4.1 Landforms Result From Constructive and Destructive Forces	4	68%
4.2 Rock Cycle	4	62%
4.3 Global Weather Patterns	3	NR
5.0 Earth's History	7	65%
5.1 Catastrophic Events	4	57%
5.2 Fossil Evidence	3	NR

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**Oklahoma Core Curriculum Tests (OCCT) State Results Summary
ACE Biology I End of Instruction – 2015 Spring Administration**

Total Valid Test Scores¹ – 42,703

	Percent ³
At or Above Proficient	48%
Below Proficient	52%
Mean Scale Score	688

Proficiency Level	OPI Score Range	Percent ³	Cut Score
Advanced	Form A: 782-999 Form B: 779-999	14%	52/60
Proficient	Form A: 700-781 Form B: 700-778	33%	42/60
Limited Knowledge	Form A: 651-699 Form B: 653-699	23%	Form A – 33/60 Form B – 35/60
Unsatisfactory	Form A: 440-650 Form B: 440-652	30%	

Process/Inquiry Standard	# of Items	Mean % Correct ²
P1.0 Observe and Measure	6-5	66%
P1.1 Qualitative/quantitative observations and changes	4-3	60%
P1.2 Use appropriate SI Units & P1.3 Appropriate Tools	2	NR
P2.0 Classify	8-6	69%
P2.1 Use observable properties to classify	4-3	74%
P2.2 Identify properties of a classification system	4-3	64%
P3.0 Experiment	19	65%
P3.1 Evaluate the design of investigations	8	59%
P3.2 Identify variables and control & P3.4 Identify a testable hypothesis	4-2	52%
P3.3 Use mathematics to show relationships	4-6	72%
P3.5 Identify potential hazards and practice safety procedures	3	NR
P4.0 Interpret and Communicate	19-21	67%
P4.1 Select predictions based on observed patterns of evidence	4-5	74%
P4.3 Interpret line, bar, trend and circle graphs	3-4	66%
P4.4 Accept or reject a hypothesis	6-3	64%
P4.5 Make logical conclusions based on experimental data	3-5	67%
P4.8 Identify an appropriate graph or chart	3-4	69%
P5.0 Model	8-9	61%
P5.1 Interpret a model which explains a given set of observations	4	61%
P5.2 Select predictions based on models	4-5	60%
Content Standards	# of Items	Mean % Correct ²
1.0 The Cell	12-11	65%
1.1 Cell structures and functions	5	65%
1.2 Differentiation of cells	4-5	67%
1.3 Specialized cells	3-1	NR
2.0 The Molecular Basis of Heredity	12-13	67%
2.1 DNA structures and function in heredity	6-5	61%
2.2 Sorting and recombination of genes	6-8	72%
3.0 Biological Diversity	12-13	65%
3.1 Variation among organisms	4	57%
3.2 Natural selection and biological adaptations	4-6	72%
3.3 Behavior patterns can be used to ensure reproductive success	4-3	65%
4.0 The Interdependence of Organisms	8	65%
4.1 Organisms both cooperate and compete	4	70%
4.2 Population dynamics	4	59%
5.0 Matter/Energy/Organization in Living Systems	13-12	64%
5.1 Complexity and organization used for survival	5-3	63%
5.2 Matter and energy flow in living and nonliving systems	4-5	66%
5.3 Earth cycles including abiotic and biotic factors	4	63%

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