

New Mexico Standards Based Assessment 2016–2017

District Item Plot Report

for

Demonstration District A DEA

English Language Test

Grade: High School

Test Date: Spring 2017

It is important to reference the Assessment Framework documents from the PED website when reviewing this report.	Total Points Possible (MC) (SA) (OE)	Multiple Choice (MC) Items (1 Point Each)		Short Answer (SA) (2 Points Each)			Open Ended (OE) (3 or 4 Points Each)			SA + OE		SA + OE Average Points Earned ¹
		# Items	Avg Pts Earned ¹	# Items	# Pts Possible	Avg Pts Earned ¹	# Items	# Pts Possible	Avg Pts Earned ¹	# Pts Possible	Avg Pts Earned ¹	State
Science Valid Scores = 71	71	47	25.42	6	12	3.15	3	12	1.80	24	4.96	6.96
Scientific Thinking and Practice	10	8	4.20	1	2	0.55	0	0	0.00	2	0.55	0.72
Scientific Investigation and Inquiry to Think Critically	10	8	4.20	1	2	0.55	0	0	0.00	2	0.55	0.72
A. Scientific Methods	2	2	1.14	0	0	0.00	0	0	0.00	0	0.00	0.00
2. Design Investigation	1	1	0.51	0	0	0.00	0	0	0.00	0	0.00	0.00
4. Convey Results	1	1	0.63	0	0	0.00	0	0	0.00	0	0.00	0.00
B. Knowledge Evaluation, Validation, Revision and Rejection	4	4	1.86	0	0	0.00	0	0	0.00	0	0.00	0.00
1. Valid, Reliable Results	1	1	0.15	0	0	0.00	0	0	0.00	0	0.00	0.00
4. Analyze Accepted Explanation	2	2	1.25	0	0	0.00	0	0	0.00	0	0.00	0.00
6. Processes and Logic in Investigations	1	1	0.45	0	0	0.00	0	0	0.00	0	0.00	0.00
C. Mathematical Concepts, Principles and Expressions	4	2	1.20	1	2	0.55	0	0	0.00	2	0.55	0.72
2. Models to Describe, Explain and Predict	3	1	0.54	1	2	0.55	0	0	0.00	2	0.55	0.72
4. Measurement Techniques and Error	1	1	0.66	0	0	0.00	0	0	0.00	0	0.00	0.00
Content of Science	51	31	16.35	4	8	1.69	3	12	1.80	20	3.49	5.12
Physical Science	22	14	7.31	2	4	1.00	1	4	0.49	8	1.49	2.11
A. Matter's Properties, Structure and Reactions	9	3	1.69	1	2	0.61	1	4	0.49	6	1.10	1.43
2. Identify, Measure and Use Physical and Chemical Properties	1	1	0.49	0	0	0.00	0	0	0.00	0	0.00	0.00
3. Separate Mixtures	2	0	0.00	1	2	0.61	0	0	0.00	2	0.61	0.65
5. Atoms and Subatomic Particles	1	1	0.83	0	0	0.00	0	0	0.00	0	0.00	0.00
6. Atomic Structure	1	1	0.37	0	0	0.00	0	0	0.00	0	0.00	0.00
13. Types of Chemical Reactions	4	0	0.00	0	0	0.00	1	4	0.49	4	0.49	0.78
B. Energy's Transformation, Transmission and Reaction with Matter	3	3	1.49	0	0	0.00	0	0	0.00	0	0.00	0.00
1. Different Forms of Energy	1	1	0.65	0	0	0.00	0	0	0.00	0	0.00	0.00
5. Heat Flow	1	1	0.18	0	0	0.00	0	0	0.00	0	0.00	0.00
11. Equilibrium	1	1	0.66	0	0	0.00	0	0	0.00	0	0.00	0.00

¹ A subject area's top-level average points earned may not equal the averages of the detail within the subject area due to rounding.

The – symbol indicates fewer than 10 tested students.

New Mexico Standards Based Assessment 2016–2017

District Item Plot Report

for

Demonstration District A DEA

English Language Test

Grade: High School

Test Date: Spring 2017

It is important to reference the Assessment Framework documents from the PED website when reviewing this report.	Total Points Possible (MC) (SA) (OE)	Multiple Choice (MC) Items (1 Point Each)		Short Answer (SA) (2 Points Each)			Open Ended (OE) (3 or 4 Points Each)			SA + OE		SA + OE Average Points Earned ¹
		# Items	Avg Pts Earned ¹	# Items	# Pts Possible	Avg Pts Earned ¹	# Items	# Pts Possible	Avg Pts Earned ¹	# Pts Possible	Avg Pts Earned ¹	State
Science	71	47	25.42	6	12	3.15	3	12	1.80	24	4.96	6.96
C. Motion of Objects and Waves	10	8	4.13	1	2	0.39	0	0	0.00	2	0.39	0.69
2. Gravitational Force	1	1	0.48	0	0	0.00	0	0	0.00	0	0.00	0.00
4. Force, Pressure and Gas Volume	4	2	1.03	1	2	0.39	0	0	0.00	2	0.39	0.69
5. Four Fundamental Forces in Nature	2	2	1.10	0	0	0.00	0	0	0.00	0	0.00	0.00
6. Magnitude and Direction of Forces	1	1	0.51	0	0	0.00	0	0	0.00	0	0.00	0.00
9. Relative Motion	1	1	0.65	0	0	0.00	0	0	0.00	0	0.00	0.00
11. Wave Interference, Reflection and Refraction	1	1	0.37	0	0	0.00	0	0	0.00	0	0.00	0.00
Life Science	16	10	5.20	1	2	0.32	1	4	0.56	6	0.89	1.41
A. Survival Depends on Biodiversity and Cycling	7	7	3.58	0	0	0.00	0	0	0.00	0	0.00	0.00
Matter and Energy												
1. Ecosystems	1	1	0.44	0	0	0.00	0	0	0.00	0	0.00	0.00
3. Resource Limitations in Ecosystems	2	2	0.75	0	0	0.00	0	0	0.00	0	0.00	0.00
4. Humans Modify Ecosystems	1	1	0.62	0	0	0.00	0	0	0.00	0	0.00	0.00
6. Energy Flow through Sun, Plants, Herbivores, Carnivores, Decomposers	1	1	0.55	0	0	0.00	0	0	0.00	0	0.00	0.00
9. Species Variation	2	2	1.23	0	0	0.00	0	0	0.00	0	0.00	0.00
B. Genetic Inheritance and Biological Evolution	6	2	1.24	0	0	0.00	1	4	0.56	4	0.56	0.92
1. DNA Carries All Genetic Information	1	1	0.63	0	0	0.00	0	0	0.00	0	0.00	0.00
6. Sexual and Asexual Reproduction	1	1	0.61	0	0	0.00	0	0	0.00	0	0.00	0.00
10. Understand Data and Evidence of Biological Evolution	4	0	0.00	0	0	0.00	1	4	0.56	4	0.56	0.92
C. Characteristics, Structures and Functions of Cells	3	1	0.38	1	2	0.32	0	0	0.00	2	0.32	0.49
4. Cell Membrane	1	1	0.38	0	0	0.00	0	0	0.00	0	0.00	0.00
7. Cell Functions Involve Chemical Reactions	2	0	0.00	1	2	0.32	0	0	0.00	2	0.32	0.49
Earth and Space Science	13	7	3.85	1	2	0.37	1	4	0.75	6	1.11	1.59
A. Solar System Origin, Structure, Contents and Evolution	5	3	1.85	1	2	0.37	0	0	0.00	2	0.37	0.62
1. Scale and Contents of Universe	3	1	0.63	1	2	0.37	0	0	0.00	2	0.37	0.62
3. Evidence Through Advanced Technology	1	1	0.56	0	0	0.00	0	0	0.00	0	0.00	0.00

¹ A subject area's top-level average points earned may not equal the averages of the detail within the subject area due to rounding.

The – symbol indicates fewer than 10 tested students.

New Mexico Standards Based Assessment 2016–2017

District Item Plot Report

for

Demonstration District A DEA

English Language Test

Grade: High School

Test Date: Spring 2017

It is important to reference the Assessment Framework documents from the PED website when reviewing this report.	Total Points Possible (MC) (SA) (OE)	Multiple Choice (MC) Items (1 Point Each)		Short Answer (SA) (2 Points Each)			Open Ended (OE) (3 or 4 Points Each)			SA + OE		SA + OE Average Points Earned ¹
		# Items	Avg Pts Earned ¹	# Items	# Pts Possible	Avg Pts Earned ¹	# Items	# Pts Possible	Avg Pts Earned ¹	# Pts Possible	Avg Pts Earned ¹	State
Science	71	47	25.42	6	12	3.15	3	12	1.80	24	4.96	6.96
7. NM Research Facilities and Space Exploration	1	1	0.65	0	0	0.00	0	0	0.00	0	0.00	0.00
B. Earth's Origin, Structure, Contents and Evolution	8	4	2.00	0	0	0.00	1	4	0.75	4	0.75	0.97
2. Age of Earth	1	1	0.69	0	0	0.00	0	0	0.00	0	0.00	0.00
3. Internal Structure of Earth	1	1	0.18	0	0	0.00	0	0	0.00	0	0.00	0.00
5. Plate Tectonics	1	1	0.70	0	0	0.00	0	0	0.00	0	0.00	0.00
8. Air and Water Circulation	4	0	0.00	0	0	0.00	1	4	0.75	4	0.75	0.97
11. Layers of Atmosphere	1	1	0.42	0	0	0.00	0	0	0.00	0	0.00	0.00
Science and Society	10	8	4.87	1	2	0.92	0	0	0.00	2	0.92	1.12
Individual and Societal Influence on Science	10	8	4.87	1	2	0.92	0	0	0.00	2	0.92	1.12
A. Impacts of Science on World and Society on Science	10	8	4.87	1	2	0.92	0	0	0.00	2	0.92	1.12
3. Technology's Influence on Society	1	1	0.42	0	0	0.00	0	0	0.00	0	0.00	0.00
5. Applications of Genetics	1	1	0.63	0	0	0.00	0	0	0.00	0	0.00	0.00
6. Impact of Digital Technologies	2	0	0.00	1	2	0.92	0	0	0.00	2	0.92	1.12
7. Affect of Human Activity on Ozone	1	1	0.63	0	0	0.00	0	0	0.00	0	0.00	0.00
8. Uses of Radioactivity	2	2	0.97	0	0	0.00	0	0	0.00	0	0.00	0.00
11. Societal Factors Impact Scientific Discovery	1	1	0.83	0	0	0.00	0	0	0.00	0	0.00	0.00
12. Societal Changes to Ecosystems	1	1	0.54	0	0	0.00	0	0	0.00	0	0.00	0.00
18. Scientists are Real People	1	1	0.85	0	0	0.00	0	0	0.00	0	0.00	0.00

¹ A subject area's top-level average points earned may not equal the averages of the detail within the subject area due to rounding.

The – symbol indicates fewer than 10 tested students.