

**New Mexico Standards Based Assessment 2016–2017**

**District Item Plot Report**

for

**Demonstration District A DEA**

English Language Test

Grade: 07

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 <sup>1</sup>
		# Items	Avg Pts Earned <sup>1</sup>	# Items	# Pts Possible	Avg Pts Earned <sup>1</sup>	# Items	# Pts Possible	Avg Pts Earned <sup>1</sup>	# Pts Possible	Avg Pts Earned <sup>1</sup>	State
<b>Science</b> Valid Scores = 84	<b>64</b>	<b>38</b>	<b>22.98</b>	<b>5</b>	<b>10</b>	<b>5.08</b>	<b>4</b>	<b>16</b>	<b>4.05</b>	<b>26</b>	<b>9.13</b>	<b>10.44</b>
<b>Scientific Thinking and Practice</b>	<b>16</b>	<b>10</b>	<b>5.89</b>	<b>1</b>	<b>2</b>	<b>1.29</b>	<b>1</b>	<b>4</b>	<b>1.26</b>	<b>6</b>	<b>2.55</b>	<b>2.91</b>
Scientific Investigation and Inquiry to Think Critically	16	10	5.89	1	2	1.29	1	4	1.26	6	2.55	2.91
A. Scientific Methods	2	2	1.05	0	0	0.00	0	0	0.00	0	0.00	0.00
1. Collect Information from a Variety of Sources	1	1	0.67	0	0	0.00	0	0	0.00	0	0.00	0.00
2. Models to Explain Relationships between Variables	1	1	0.38	0	0	0.00	0	0	0.00	0	0.00	0.00
B. Investigation and Inquiry Result in Knowledge	10	6	3.35	0	0	0.00	1	4	1.26	4	1.26	1.68
1. Bias's Impact	1	1	0.55	0	0	0.00	0	0	0.00	0	0.00	0.00
2. Critique Investigative Procedures	6	2	0.81	0	0	0.00	1	4	1.26	4	1.26	1.68
3. Analyze and Evaluate Explanations	3	3	1.99	0	0	0.00	0	0	0.00	0	0.00	0.00
C. Use Mathematical Tools and Techniques	4	2	1.50	1	2	1.29	0	0	0.00	2	1.29	1.23
1. Sample Size	1	1	0.74	0	0	0.00	0	0	0.00	0	0.00	0.00
2. Mathematical Expressions	2	0	0.00	1	2	1.29	0	0	0.00	2	1.29	1.23
3. Appropriate Models	1	1	0.76	0	0	0.00	0	0	0.00	0	0.00	0.00
<b>Content of Science</b>	<b>45</b>	<b>27</b>	<b>16.42</b>	<b>3</b>	<b>6</b>	<b>2.70</b>	<b>3</b>	<b>12</b>	<b>2.79</b>	<b>18</b>	<b>5.49</b>	<b>6.36</b>
Physical Science	10	6	3.31	0	0	0.00	1	4	0.77	4	0.77	1.09
A. Matter's Different Forms, Properties and Interaction	7	3	2.10	0	0	0.00	1	4	0.77	4	0.77	1.09
1. Matter Transfer between Organisms and Environment	5	1	0.80	0	0	0.00	1	4	0.77	4	0.77	1.09
3. Radioactivity Characteristics	1	1	0.61	0	0	0.00	0	0	0.00	0	0.00	0.00
5. Chemical Reactions Essential to Life	1	1	0.69	0	0	0.00	0	0	0.00	0	0.00	0.00
B. Energy Transfer, Change, and Conservation	1	1	0.54	0	0	0.00	0	0	0.00	0	0.00	0.00
1. Energy Transformation through Organisms and Ecosystems	1	1	0.54	0	0	0.00	0	0	0.00	0	0.00	0.00
C. Forces that Produce Motion	2	2	0.68	0	0	0.00	0	0	0.00	0	0.00	0.00
1. Levers and Human Body System Forces	2	2	0.68	0	0	0.00	0	0	0.00	0	0.00	0.00

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		# Items	Avg Pts Earned <sup>1</sup>	# Items	# Pts Possible	Avg Pts Earned <sup>1</sup>	# Items	# Pts Possible	Avg Pts Earned <sup>1</sup>	# Pts Possible	Avg Pts Earned <sup>1</sup>	State
<b>Science</b>	<b>64</b>	<b>38</b>	<b>22.98</b>	<b>5</b>	<b>10</b>	<b>5.08</b>	<b>4</b>	<b>16</b>	<b>4.05</b>	<b>26</b>	<b>9.13</b>	<b>10.44</b>
Life Science	29	17	10.58	2	4	1.77	2	8	2.01	12	3.79	4.23
A. Living Things and Their Environments	12	4	2.40	2	4	1.77	1	4	1.08	8	2.86	3.19
1. Living vs. Nonliving Ecosystem Parts	1	1	0.50	0	0	0.00	0	0	0.00	0	0.00	0.00
2. Biomes	3	1	0.86	1	2	0.58	0	0	0.00	2	0.58	0.67
3. Interaction with Environment to Create Ecosystem	3	1	0.55	1	2	1.19	0	0	0.00	2	1.19	1.24
4. Conditions and Resources to Sustain Life	1	1	0.50	0	0	0.00	0	0	0.00	0	0.00	0.00
5. Resources, Physical Factors and Natural Cycles	4	0	0.00	0	0	0.00	1	4	1.08	4	1.08	1.28
B. Traits and Evolution	11	7	4.77	0	0	0.00	1	4	0.93	4	0.93	1.04
2. Sexual vs. Asexual Reproduction	4	0	0.00	0	0	0.00	1	4	0.93	4	0.93	1.04
4. Offspring of Sexual Reproduction Same Species	1	1	0.68	0	0	0.00	0	0	0.00	0	0.00	0.00
5. Inherited and Learned Traits	1	1	0.77	0	0	0.00	0	0	0.00	0	0.00	0.00
7. Traits Change Due to Environmental Influences	1	1	0.67	0	0	0.00	0	0	0.00	0	0.00	0.00
10. Favorable Adaptations	1	1	0.81	0	0	0.00	0	0	0.00	0	0.00	0.00
11. Natural Selection	1	1	0.77	0	0	0.00	0	0	0.00	0	0.00	0.00
12. Adaptation or Extinction	1	1	0.55	0	0	0.00	0	0	0.00	0	0.00	0.00
13. Fossil Record	1	1	0.52	0	0	0.00	0	0	0.00	0	0.00	0.00
C. Organism Structure and Cell Function	6	6	3.40	0	0	0.00	0	0	0.00	0	0.00	0.00
1. Organisms Composed of Cells	1	1	0.48	0	0	0.00	0	0	0.00	0	0.00	0.00
2. Organs Composed of Tissues	1	1	0.29	0	0	0.00	0	0	0.00	0	0.00	0.00
3. Cell Functions	1	1	0.69	0	0	0.00	0	0	0.00	0	0.00	0.00
4. Plant and Animal Cells Comparison	1	1	0.49	0	0	0.00	0	0	0.00	0	0.00	0.00
5. Cellular Response to Stimuli	1	1	0.64	0	0	0.00	0	0	0.00	0	0.00	0.00
6. Cellular Damage	1	1	0.82	0	0	0.00	0	0	0.00	0	0.00	0.00
Earth and Space Science	6	4	2.52	1	2	0.93	0	0	0.00	2	0.93	1.04
A. Energy, Matter and Force in the Solar System	3	1	0.74	1	2	0.93	0	0	0.00	2	0.93	1.04

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1. Earth's Unique Ability to Support Life	3	1	0.74	1	2	0.93	0	0	0.00	2	0.93	1.04
B. Earth's Atmosphere, Energy, Matter and Forces	3	3	1.79	0	0	0.00	0	0	0.00	0	0.00	0.00
1. Earth's History in Remains of Living Things	2	2	0.94	0	0	0.00	0	0	0.00	0	0.00	0.00
3. Ecosystem Changes Impact Capacity of Environment	1	1	0.85	0	0	0.00	0	0	0.00	0	0.00	0.00
<b>Science and Society</b>	<b>3</b>	<b>1</b>	<b>0.67</b>	<b>1</b>	<b>2</b>	<b>1.10</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>2</b>	<b>1.10</b>	<b>1.17</b>
Individual and Societal Influence on Science	3	1	0.67	1	2	1.10	0	0	0.00	2	1.10	1.17
A. Science and Inventions' Impact	3	1	0.67	1	2	1.10	0	0	0.00	2	1.10	1.17
1. Health-related Personal Decisions	2	0	0.00	1	2	1.10	0	0	0.00	2	1.10	1.17
2. Advancements in Medicine Due to Technology	1	1	0.67	0	0	0.00	0	0	0.00	0	0.00	0.00

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