Earth Systems 3209 – Outcomes Report, June 2010

Curricular Content Area	Question Distribution by Reporting Category		
	Level 1	Level 2	Level 3
Unit 1 Introduction to Earth Systems Science	1, 2, 3, 4	5, 6	
Unit 2 Earth's Systems	7, 8, 9, 11	10, 12	
Unit 3 The Geosphere	13, 15, 16, 19, 21, 22, 23, 24, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 43, 45, 47, 48, 50	14, 17, 18, 25, 26, 27, 28, 41, 51	20, 42, 44, 46, 49
Unit 4 Earth Through Time	52, 53, 54, 55, 56, 58		59, 60

Part 1: Multiple Choice

Question	Outcome	Level	Curricular Concept	
1.	1.1.5	1	The Nature and Importance of Earth Science	
2.	1.10/1.12/1.2.2.1	1	Historical Development/Ideas	
3.	1.1.1	1	The Nature and Importance of Earth Science	
4.	1.2.2.1	1	Historical Development/Ideas	
5.	1.2.3.6/1.2.3.7	2	Geological Time	
6.	1.2.3.5	2	Geological Time	
7.	2.3.1.1/2.4.1.1	1	The Hydrosphere: Origin	
8.	2.2.1.4	1	Origin of the Geosphere	
9.	2.2.2.1	1	The Geosphere: Distribution	
10.	2.3.2.2	2	The Hydrosphere: Distribution	
11.	2.3.2.2	1	The Hydrosphere: Distribution	
12.	2.3.2.1/2.3.2.2	2	The Hydrosphere: Distribution	
13.	3.1.1.1	1	Minerals – The Building Blocks: Chemistry	
14.	3.1.3.1	2	Minerals – The Building Blocks: Mineral Identification	
15.	3.2.3.1	1	Rocks and the Rock Cycle: Igneous Rocks	
16.	3.1.1.4	1	Minerals – The Building Blocks: Chemistry	
17.	3.1.3.1	2	Minerals – The Building Blocks: Mineral Identification	
18.	3.1.2.2	2	Mineral Tuenthication Minerals – The Building Blocks: Major Mineral Groups	
19.	3.2.3.4	1	Rocks and the Rock Cycle: Igneous Rocks	
20.	3.2.3.2	3	Rocks and the Rock Cycle: Igneous Rocks	
21.	3.1.2.1	1	Minerals – The Building Blocks: Major Mineral Groups	
22.	3.3.1.1	1	Plate Tectonics: History	
23.	3.2.4.7	1	Rocks and the Rock Cycle: Sedimentary Rocks	
24.	3.2.4.2	1	Rocks and the Rock Cycle: Sedimentary Rocks	
25.	3.2.4.7	2	Rocks and the Rock Cycle: Sedimentary Rocks	
26.	3.2.4.4	2	Rocks and the Rock Cycle: Sedimentary Rocks	

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27.	3.2.5.1	2	Rocks and the Rock Cycle:	
20	2225		Metamorphic Rocks	
28.	3.3.2.7	2	The Plate Tectonic Theory	
29.	3.5.3.3	1	Fossil Fuels	
30.	3.5.3.1	1	Fossil Fuels	
31.	3.5.1.3	1	Economic Minerals	
32.	OMITED			
33.	3.3.3.3	1	Evidence for Plate Tectonics	
34.	3.3.3.7	1	Evidence for Plate Tectonics	
35.	3.5.1.4	1	Economic Minerals	
36.	3.3.2.6	1	The Plate Tectonic Theory	
37.	3.5.3.4	1	Fossil Fuels	
38.	3.3.2.5/3.3.2.4	1	The Plate Tectonic Theory	
39.	3.2.5.3	1	Rocks and the Rock Cycle:	
			Metamorphic Rocks	
40.	3.3.3.8	1	Evidence for Plate Tectonics	
41.	3.2.4.6	2	Rocks and the Rock Cycle:	
			Sedimentary Rocks	
42.	3.3.2.6/3.3.3.1	3	The Plate Tectonic Theory	
43.	3.2.5.2	1	Rocks and the Rock Cycle:	
	0.2.0.2	_	Metamorphic Rocks	
44.	3.3.10/3.3.11	3	Evidence for Plate Tectonics	
45.	3.3.3.1	1	Evidence for Plate Tectonics	
46.	3.2.4.1/3.1.3.1	3	Minerals – The Building Blocks:	
10.	0.2. 1.1/0.1.0.1		Mineral Identification	
47.	3.3.3.10	1	Evidence for Plate Tectonics	
48.	3.5.1.5	1	Economic Minerals	
49.	3.1.3.1	3	Minerals – The Building Blocks	
٦).	3.1.3.1	3	- Mineral Identification	
50.	3.2.3.2	1	Rocks and the Rock Cycle:	
30.	3.2.3.2	1	Igneous Rocks	
51.	2521	2	 	
52.	3.5.3.4	$\frac{1}{1}$	Fossil Fuels The Evelution of Lifet Fossile	
	4.1.1.4		The Evolution of Life: Fossils	
53.	4.2.2.1	1	Plate Tectonics Through Time:	
<i>5.</i> 4	4222	1	Present Day Activity	
54.	4.2.2.3	1	Plate Tectonics Through Time:	
	4.2.0		Present Day Activity	
55.	4.3.9	1	Global Change – Past, Present	
	10-11-0-1		and Future	
56.	4.37/1.2.3.4	1	Global Change – Past, Present	
			and Future	
57.	OMITED			
58.	4.1.2.1	1	The Evolution of Life: Life	
			Through Time	

59.	4.2.2.2	3	Plate Tectonics Through Time:	
			Present Day Activity	
60.	4.1.1.6	3	The Evolution of Life: Fossils	

Part 2: Constructed Response

Question	Outcome	Level	Curricular
			Concept
61. (a)	1.2.3.7	2	Historical
			Development:
			Geological
			Time
61. (b)	1.2.2.1	3	Historical
			Development:
			Historical
			Ideas
62. (a)	2.3.11/2.4.11/2.2.1.5	3	The
			Hydrosphere:
			Origin
62. (b)	2.3.2.2	2	The
			Hydrosphere:
			Distribution
63. (a)	3.3.3.4/3.3.3.7	2	Evidence for
			Plate
			Tectonics
63. (b)	3.1.3.1/3.1.3.2	2	Minerals –
			The Building
			Blocks:
			Mineral
			Identification
63. (c)	3.5.4.2	2	Economic
			Resources and
			their
			Formation:
			Technologies

63. (d)	3.2.4.3	2	Rocks and the Rock Cycle: Sedimentary Rocks
63. (e)	3.3.2.8	2	The Plate Tectonic Theory
63. (f)	3.3.3.11	2	Evidence for Plate Tectonics
63. (g)	3.3.3.11	2	Evidence for Plate Tectonics
63. (h)	3.3.2.6/3.3.2.5	2	The Plate Tectonic Theory
63. (i)	3.3.3.1	2	Evidence for Plate Tectonics
63. (j)	3.2.2.1/3.2.2.2	2	The Rock Cycle
63. (k)	3.3.3.1/3.3.2.3/2.2.2.2	3	Evidence for Plate Tectonics/The Plate Tectonic Theory
64. (a)	3.3.3.1/4.2.1.3	3	The Evolution of Life: Fossils
64. (b)	4.1.1.3/4.1.1.7	3	The Evolution of Life: Fossils
64. (c)	4.3.12	3	Global Change – Past, Present and Future