

<u>Earth Science</u>		<u>2005-06</u>	<u>2006-07</u>	<u>2007-08</u>	<u>Totals</u>
K. K.I. 1- Motion and Persp.	1.1a Most objects in the solar system are in regular and predictable motion.	MC05 MC39	CR65 CR66 CR67 CR68	MC01 MC12 MC15	10
	1.1b Nine planets move around the Sun in nearly circular orbits. . .	MC01 CR57 CR59		MC37 CR60	5
	1.1c Earth's coordinate system of latitude and longitude, with the equator and prime meridian. . .		CR77	CR81	2
	1.1d Earth rotates on an imaginary axis at a rate of 15 degrees per hour.	CR71		MC36 CR77	3
	1.1e The Foucault pendulum and the Coriolis effect provide evidence of Earth's rotation.	MC08 MC11	MC45	MC05	4
	1.1f Earth's changing position with regard to the Sun and the moon. . .	MC09	MC36	MC13	3
	1.1g Seasonal changes in the apparent positions of constellations provide			MC04	1
	1.1h The Sun's apparent path through the sky varies with latitude and season.		MC26 MC38		2
	1.1i Approximately 70 percent of the earth's surface is covered by a relatively thin layer of water,			CR64	1
	1.2a The universe is vast and estimated to be over ten billion years old. . .		MC02 CR39 CR40 CR41	MC03 MC11	6
	1.2b Stars form when gravity causes clouds of molecules to contract. . .	MC07	MC25	MC02 MC10	4
	1.2c Our solar system formed about five billion years ago. . .		MC42		1
	1.2d Asteroids, comets, and meteors are components of our solar system. . .			MC38	1
	1.2e Earth's early atmosphere formed as a result of the outgassing of water vapor. . .		MC01		1

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	1.2g Earth has continuously been recycling water since the outgassing of water. . .		MC07 MC09	MC44 CR51 CR65	5
	1.2h The evolution of life caused dramatic changes in the composition of Earth's atmosphere. . .	MC04			1
	1.2i The pattern of evolution of life-forms on Earth is at least partially. . .		MC20		1
	1.2j Geologic history can be reconstructed by observing sequences of rock types and fossils. . .	MC23	MC34 MC35 CR54 CR55 CR56 CR57	MC20 MC21 MC22 MC45 CR67 CR68 CR70	14
K. K.I. 2- Air, Water & Land	2.1b The transfer of heat energy within the atmosphere, the hydrosphere. . .		MC08		1
	2.1d Weather variables are measured using instruments such as thermometers. . .		MC13	MC14 MC17	3
	2.1e Weather variables are interrelated.	CR66	MC10 MC11		3
	2.1f Air temperature, dewpoint, cloud formation, and precipitation are affected by. . .	CR65		CR55	2
	2.1g Weather variables can be represented in a variety of formats including radar. . .		MC29 CR51	MC16 CR54	4
	2.1h Atmospheric moisture, temperature and pressure distributions; jet streams, wind. . .	MC33 CR73 CR76	CR53	MC07 MC08	6

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	2.1j Properties of Earth's internal structure (crust, mantle, inner core, and outer core). . .	MC25	CR75	CR61	3
	2.1k The outward transfer of Earth's internal heat drives convection. . .		MC43	MC24	2
	2.1l The lithosphere consists of separate plates that ride on the more fluid. . .	MC22 MC32	MC19 MC31 MC32 CR78 CR79	MC23 MC25 CR73 CR82 CR83	12
	2.1n Many of Earth's surface features such as mid-ocean ridges/rifts, trenches/subduction. . .		CR80		1
	2.1p Landforms are the result of the interaction of tectonic forces and the processes of . . .			MC40	1
	2.1q Topographic maps represent landforms through the use of contour lines that are isolines. . .		CR70	CR78	2
	2.1r Climate variations, structure, and characteristics of bedrock influence. . .			MC27 MC28	2
	2.1s Weathering is the physical and chemical breakdown of rocks. . .			CR52	1
	2.1t Natural agents of erosion, generally driven by gravity, remove, transport. . .	MC46		MC49	2
	2.1u The natural agents of erosion include. . .	MC16 MC44 CR64	MC21 MC48 MC50 CR60 CR61 CR73	MC29 MC30 MC31 MC33 MC48	14
	2.1v Patterns of deposition result from a loss of energy within the transporting system. . .		MC15 MC17 MC49 CR58 CR59	MC32 MC50	7
	2.2a Insolation (solar radiation) heats Earth's surface and atmosphere unequally due. . .		MC04 MC27 MC28 MC37	MC06 MC09 MC19 MC43 CR75 CR76	10

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	2.2b The transfer of heat energy within the atmosphere, the hydrosphere, and Earth's surface. . .		MC08	MC18	2
	2.2c A location's climate is influenced by latitude, proximity to large bodies of water. . .	MC19 CR69	MC03 MC05 MC46 MC47	MC41 CR57 CR58	9
	2.2d Temperature and precipitation patterns are altered by. . .			CR53	1
K. K.I. 3- Matter-Rcks & Min	3.1a Minerals have physical properties determined by their chemical composition. . .		MC12 MC14	MC26 CR70	4
	3.1b Minerals are formed inorganically by the process of crystallization. . .	MC38	CR81	MC34 MC35 CR69	5
	3.1c Rocks are usually composed of one or more minerals. . .	MC21	MC18 MC24 MC33 CR62	MC46 MC47 CR64	8
P. Performance Test Score	Performance Test Score	84	83	85	
S. Standard 1	M1 Abstraction and symbolic representation are used. . .	MC30	CR71 CR72	CR63 CR66	5
	M2 Deductive and inductive reasoning are used to reach mathematical conclusions.	MC03 MC06 MC13 MC17 MC24 MC31 MC45 MC47 CR56 CR60 CR68	MC30	MC42	13
	M3 Critical thinking skills are used in the solution. . .	MC18 MC20 MC36 MC50	CR74		5
	S1 The central purpose of scientific inquiry is to develop explanations of natural phenomena. . .	MC10 MC48 MC49	CR82	MC39	5

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	S3 The observations made while testing proposed explanations. . .	MC15 MC26 MC27 MC37 MC43 CR54 CR55 CR58 CR61 CR77	MC16 MC22 MC23 CR63 CR64 CR76	CR59	19
S. Standard 6	1 Through systems thinking, people can recognize the commonalities. . .	MC12 CR62			2
	2 Models are simplified representations of objects, structures, or systems used in analysis. . .	MC02 MC14 MC28 MC29 MC34 MC35 MC40 MC41 MC42 CR52 CR53 CR67 CR70 CR72 CR74 CR75 CR76 CR77	MC44	CR56 CR62 CR74 CR79	24
	3 The grouping of magnitudes of size, time, frequency, and pressures. . .	CR51		CR80	2
	5 Identifying patterns of change is necessary for making predictions. . .	CR63 CR82	CR52		3
S. Standard 7	2 Solving interdisciplinary problems involves a variety of skills and strategies,			CR84	1