

FCAT Science Grade 5			2009	2008	2007
Benchmark	New Benchmark Alignment <sup>1</sup>	Content Focus	Number of Points Possible	Number of Points Possible	Number of Points Possible
<b>Cluster 1: Physical and Chemical Sciences</b>					
A121		Density		1	
A121	N/A	Tools	1		1
A122		Phase changes			1
A123	SC.4.P.8.3	Conservation of mass	1	1	
A124	SC.8.P.8.9	Solutions	1	1	1
A125	SC.4.P.9.1	Chemical changes	1		1
A221	SC.4.E.6.5	Microscopic samples	1		
B121	N/A	Energy flow through a system	1		1
B121		Energy transfer		1	
B122	SC.7.P.11.2	Energy conversions	1		1
B122	SC.5.P.10.1	Light and heat	1		
B122		Potential energy		1	
B221		Sources of energy		1	
C121		Friction		1	
C121		Motion		1	1
C122	SC.7.P.10.3	Sound through different media	1		1
C221		Forces		1	
C221	SC.5.P.13.1	Gravity	1		
C224	SC.5.P.13.2	Effects of forces	2*		2*
C224		Force and motion			1
C224		Net Force		1	
<b>Reporting Cluster Point Total</b>			<b>12</b>	<b>12</b>	<b>12</b>
<b>Cluster 2: Earth and Space Sciences</b>					
D123	SC.5.E.7.1	Water cycle	1		1
D124	SC.4.E.6.4	Changes to Earth's surface	4*		5*
D124		Earth's surface			1
D124		Effects of weathering/erosion		4*	
D124	SC.7.E.6.2	Process of erosion	1	1	
D221		Conserving natural resources			2
D221		Nonrenewable resources		1	
D221	SC.4.L.17.4	Recycling	1	1	
E121	SC.8.E.5.9	Earth's tilt	1	2	1
E121		Seasons			1
E122		Moon phases		1	
E123	SC.3.E.6.1	Solar energy	2	1	2
E124	SC.5.E.5.2	Planet characteristics	1	1	
E124		Planetary orbits		1	
E221	SC.8.E.5.1	Light-years	1		
E221	SC.8.E.5.5	Properties of stars	1	1	2
<b>Reporting Cluster Point Total</b>			<b>13</b>	<b>14</b>	<b>15</b>

FCAT Science Grade 5			2009	2008	2007
Benchmark	New Benchmark Alignment <sup>1</sup>	Content Focus	Number of Points Possible	Number of Points Possible	Number of Points Possible
<b>Cluster 3: Life and Environmental Sciences</b>					
F121	SC.6.L.14.5	Nervous system	1	1	
F122		Food chains			1
F123		Animal characteristics			1
F123		Mammal characteristics		1	1
F123	SC.3.L.14.2	Plant characteristics	1	1	
F124	N/A	Plant cell functions	1	1	
F221	SC.4.L.16.3	Learned behavior	1	1	1
G121	SC.7.L.17.1	Food webs	1		
G122	SC.5.L.17.1	Animal adaptations-survival	1		2*
G122		Environmental adaptations			
G122	SC.5.L.14.2	Structural adaptations	1	1	
G123		Photosynthesis			2
G123	SC.3.L.14.2	Plant growth	1	1	
G123	SC.3.L.14.1	Plant structures	1	1	
G125	SC.4.L.17.2	Needs of living things	1		
G126		Decomposers			1
G127		Adapting to conditions		1	1
G221		Behavioral adaptations			1
G221	SC.5.L.15.1	Competition for resources	2*		
G222		Predator/prey relationships		1	
G223		Competition for resources**		2	
G223	SC.5.L.15.1	Habitat changes	1	1	1
<b>Reporting Cluster Point Total</b>			<b>13</b>	<b>13</b>	<b>12</b>
<b>Cluster 4: Scientific Thinking</b>					
H121	SC.4.N.1.6	Record keeping	1	2	1
H121	SC.5.N.1.1	Scientific process	1	1	1
H122	SC.5.N.1.1	Analyzing results	1	1	
H122		Data collection		1	
H122	SC.5.N.1.1	Drawing conclusions	4*	2*	2*
H122	SC.5.N.1.1	Scientific process	1		
H125	SC.3.N.3.2	Models	1		
H125		Understanding models		1	2
H221	SC.3.N.1.6	Predictable events	1	1	2
H321	SC.5.N.1.1	Applications of science	1	1	1
H321	N/A	Inventions	1	1	
H321		Using machines			1*
H324	SC.5.N.1.1	Experimental design	1	1	1
H324		Problem solving			1
<b>Reporting Cluster Point Total</b>			<b>13</b>	<b>12</b>	<b>12</b>

**\* Includes Performance Task Item**