

Grade 5 Science Assessment Benchmark Coverage

Reporting Category	Parent Benchmark	Also Assesses Benchmarks	Percent of Test
Nature of Science	SC.5.N.1.1	SC.3.N.1.1	17
		SC.4.N.1.1	
		SC.4.N.1.6	
		SC.5.N.1.2	
		SC.5.N.1.4	
	SC.5.N.2.1	SC.3.N.1.7	
		SC.4.N.1.3	
		SC.4.N.1.7	
		SC.5.N.1.5	
	SC.5.N.2.2	SC.5.N.1.6	
		SC.3.N.1.2	
		SC.3.N.1.5	
SC.4.N.1.2			
SC.4.N.1.5			
Earth and Space Science	SC.5.E.5.1	SC.3.E.5.1	29
		SC.3.E.5.2	
		SC.3.E.5.3	
	SC.5.E.5.3	SC.5.E.5.2	
	SC.4.E.5.4	SC.4.E.5.1	
		SC.4.E.5.2	
		SC.4.E.5.3	
	SC.4.E.6.2	SC.4.E.6.1	
	SC.4.E.6.3	SC.4.E.6.6	
	SC.4.E.6.4	—	
	SC.5.E.7.1	SC.5.E.7.2	
	SC.5.E.7.3	SC.5.E.7.4	
SC.5.E.7.5			
SC.5.E.7.6			
Physical Science	SC.5.P.8.1	SC.3.P.8.1	29
		SC.3.P.8.2	
		SC.3.P.8.3	
		SC.4.P.8.1	
	SC.5.P.8.3	SC.5.P.8.2	
	SC.5.P.9.1	SC.3.P.9.1	
		SC.4.P.9.1	

Grade 5 Science Benchmark Coverage (cont.)

Reporting Category	Parent Benchmark	Also Assesses Benchmarks	Percent of Test
Physical Science (cont.)	SC.5.P.10.1	SC.3.P.10.1	29 (cont.)
		SC.3.P.10.3	
		SC.3.P.10.4	
		SC.3.P.11.1	
		SC.3.P.11.2	
		SC.4.P.10.1	
		SC.4.P.10.3	
	SC.5.P.10.2	SC.3.P.10.2	
		SC.4.P.10.2	
		SC.4.P.10.4	
	SC.5.P.10.4	SC.3.E.6.1	
		SC.4.P.11.1	
		SC.4.P.11.2	
		SC.5.P.10.3	
		SC.5.P.11.1	
	SC.5.P.11.2	SC.5.P.11.2	
		SC.5.P.11.2	
SC.5.P.13.1	SC.3.E.5.4		
	SC.4.P.8.4		
SC.5.P.13.2	SC.4.P.12.1		
	SC.4.P.12.2		
	SC.5.P.13.3		
	SC.5.P.13.4		
Life Science	SC.3.L.14.1	SC.3.L.14.2	25
		SC.4.L.16.1	
	SC.5.L.14.1	—	
	SC.5.L.14.2	SC.3.L.15.1	
		SC.3.L.15.2	
	SC.4.L.16.4	—	
	SC.5.L.17.1	SC.3.L.17.1	
		SC.4.L.16.2	
		SC.4.L.16.3	
		SC.4.L.17.1	
		SC.4.L.17.4	
	SC.5.L.15.1	SC.5.L.15.1	
		SC.4.L.17.3	
SC.4.L.17.2			
Total Benchmark Groupings	25		100

Grade 8 Science Assessment Benchmark Coverage

Reporting Category	Parent Benchmark	Also Assesses Benchmarks	Percent of Test
Nature of Science	SC.8.N.1.1	SC.6.N.1.1	19
		SC.6.N.1.3	
		SC.7.N.1.1	
		SC.7.N.1.3	
		SC.7.N.1.4	
		SC.8.N.1.3	
		SC.8.N.1.4	
	SC.7.N.1.2	SC.6.N.1.2	
		SC.6.N.1.4	
		SC.8.N.1.2	
	SC.7.N.1.5	SC.7.N.3.2	
		SC.8.N.1.5	
		SC.8.E.5.10	
	SC.6.N.2.2	SC.7.N.1.6	
		SC.7.N.1.7	
SC.7.N.2.1			
SC.8.N.1.6			
SC.7.N.3.1	SC.6.N.3.1		
	SC.8.N.3.2		
Earth and Space Science	SC.8.E.5.3	SC.8.E.5.1	27
		SC.8.E.5.2	
	SC.8.E.5.5	SC.8.E.5.6	
	SC.8.E.5.7	SC.8.E.5.4	
		SC.8.E.5.8	
	SC.8.E.5.9	—	
	SC.7.E.6.2	SC.6.E.6.1	
		SC.6.E.6.2	
		SC.7.E.6.6	
	SC.7.E.6.4	SC.7.E.6.3	
	SC.7.E.6.5	SC.7.E.6.1	
		SC.7.E.6.7	
	SC.6.E.7.4	SC.6.E.7.2	
		SC.6.E.7.3	
SC.6.E.7.6			
SC.6.E.7.9			
SC.6.E.7.5	SC.6.E.7.1		

Grade 8 Science Assessment Benchmark Coverage (cont.)

Reporting Category	Parent Benchmark	Also Assesses Benchmarks	Percent of Test
Physical Science	SC.8.P.8.4	SC.8.P.8.3	27
	SC.8.P.8.5	SC.8.P.8.1	
		SC.8.P.8.6	
		SC.8.P.8.7	
		SC.8.P.8.8	
		SC.8.P.8.9	
	SC.8.P.9.2	SC.8.P.9.1	
		SC.8.P.9.3	
	SC.7.P.10.1	SC.8.E.5.11	
	SC.7.P.10.3	SC.7.P.10.2	
	SC.7.P.11.2	SC.6.P.11.1	
		SC.7.P.11.3	
	SC.7.P.11.4	SC.7.P.11.1	
SC.6.P.13.1	SC.6.P.13.2		
	SC.8.P.8.2		
SC.6.P.13.3	SC.6.P.12.1		
Life Science	SC.6.L.14.1	—	27
	SC.6.L.14.2	SC.6.L.14.3	
	SC.6.L.14.4	—	
	SC.6.L.14.5	SC.6.L.14.6	
	SC.6.L.15.1	—	
	SC.7.L.15.2	SC.7.L.15.1	
		SC.7.L.15.3	
	SC.7.L.16.1	SC.7.L.16.2	
		SC.7.L.16.3	
	SC.7.L.17.2	SC.7.L.17.1	
		SC.7.L.17.3	
SC.8.L.18.4	SC.8.L.18.1		
	SC.8.L.18.2		
	SC.8.L.18.3		
Total Benchmark Groupings	32		100

Biology 1 End-of-Course (EOC) Assessment Benchmark Coverage

Reporting Category	Parent Benchmark	Also Assesses Benchmarks	Percent of Test
Molecular and Cellular Biology	SC.912.L.14.1	SC.912.N.1.3	35
		SC.912.N.2.1	
		SC.912.N.3.1	
		SC.912.N.3.4	
	SC.912.L.14.3	SC.912.L.14.2	
	SC.912.L.16.3	SC.912.L.16.4	
		SC.912.L.16.5	
		SC.912.L.16.9	
	SC.912.L.16.17	SC.912.L.16.8	
		SC.912.L.16.14	
		SC.912.L.16.16	
	SC.912.L.18.1	SC.912.L.18.11	
	SC.912.L.18.9	SC.912.L.18.7	
		SC.912.L.18.8	
SC.912.L.18.10			
SC.912.L.18.12	—		
SC.912.N.1.1*	SC.912.N.1.4		
	SC.912.N.1.6		
	SC.912.L.14.4		
Classification, Heredity, and Evolution	SC.912.L.15.1	SC.912.L.15.10	25
		SC.912.N.1.3	
		SC.912.N.1.4	
		SC.912.N.1.6	
		SC.912.N.2.1	
		SC.912.N.3.1	
		SC.912.N.3.4	
	SC.912.L.15.6	SC.912.L.15.4	
		SC.912.L.15.5	
		SC.912.N.1.3	
	SC.912.L.15.8	SC.912.N.1.6	
		SC.912.N.1.3	
		SC.912.N.1.4	
	SC.912.L.15.13	SC.912.N.2.1	
		SC.912.L.15.14	
		SC.912.L.15.15	
	SC.912.L.16.1	SC.912.N.1.3	
		SC.912.L.16.2	
SC.912.N.1.1*	SC.912.N.1.4		
	SC.912.N.1.6		

Biology 1 EOC Benchmark Coverage (cont.)

Reporting Category	Parent Benchmark	Also Assesses Benchmarks	Percent of Test	
Organisms, Populations, and Ecosystems	SC.912.L.14.7	—	40	
	SC.912.L.14.26	—		
	SC.912.L.14.36	—		
	SC.912.L.14.52	SC.912.L.14.6		
	SC.912.L.16.10	—		
	SC.912.L.16.13	—		
	SC.912.L.17.5	SC.912.L.17.5		SC.912.L.17.2
				SC.912.L.17.4
				SC.912.L.17.8
				SC.912.N.1.4
	SC.912.L.17.9	SC.912.E.7.1		
	SC.912.L.17.20	SC.912.L.17.20		SC.912.L.17.11
				SC.912.L.17.13
				SC.912.N.1.3
SC.912.N.1.1*	SC.912.N.1.1*	SC.912.N.1.4		
		SC.912.N.1.6		
		SC.912.L.14.4		
Total Benchmark Groupings	22		100	

** Items assessing benchmark SC.912.N.1.1 will be assigned to the appropriate reporting category based on the item content.*

DRAFT

Test Length

These tables provide the approximate range for the number of items on each test.

Science	
Grade	Number of Items
5	48-54
8	48-54

Note: During the Spring administration, approximately 8-10 items on the tests listed above are experimental (field test) items and are included in the ranges above but are not included in students' scores.

EOC	
Course	Number of Items
Biology 1	49-55

Note: During the Spring administration, approximately 8-10 items on the test listed above are experimental (field test) items and are included in the range above but are not included in students' scores.

Grades	Science Administration Time
5	Up to 160 Minutes*
8	Up to 160 Minutes*

Course	EOC Administration Time
Biology 1	160 Minutes*

*Students who need additional time may continue working up to the length of a typical school day.

Grade/Course	Online Calculator
8	Four-function
Biology 1	Four-function