FLORIDA DEPARTMENT OF EDUCATION
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Science
Florida Statewide Science Assessment

Note: There are limitations in the use of these reports. To understand their use, please read "What cautions should be considered when using Content Focus Reports?" on page 3 of this report.

2019 Florida Statewide Science Assessment
Next Generation Sunshine State Standards (NGSSS)
Grade 5

NGSSS Benchmark	Content Focus	Number of Points Possible
Reporting Category 1. Nature of Science		
SC.5.N.1.1	Analyzing data; Defending conclusions; Defining a testable problem; Evaluating a procedure; Explanations based on data	5
SC.5.N.2.1	Distinguishing between observations and opinions; Explanations based on evidence; Importance of observations	3
SC.5.N.2.2	Reasons for differences in data	2
	Reporting Category Point Total	**10**
Reporting Category 2. Earth and Space Sciences		
SC.4.E.5.4	Earth's rotation; Moon's revolution	3
SC.4.E.6.2	Properties of minerals; Sedimentary rocks	2
SC.4.E.6.3	Florida resources	1
SC.4.E.6.4	Weathering—plants; Weathering—wind	2
SC.5.E.5.1	Components of a galaxy	1
SC.5.E.5.3	Distinguishing between inner and outer planets; Distinguishing between the Sun and planets	2
SC.5.E.7.1	Water cycle—runoff; Water cycle—states of matter	2
SC.5.E.7.3	Distinguishing among forms of precipitation; Weather—precipitation; Weather—temperature	3
	Reporting Category Point Total	**16**
Reporting Category 3. Physical Science		
SC.5.P.8.1	Comparing objects—mass; Comparing objects—physical properties; Physical properties—solids	3
SC.5.P.8.3	Separating mixtures—particle size	1
SC.5.P.9.1	Physical change—temperature	1
SC.5.P.10.1	Heat energy; How light travels	2
SC.5.P.10.2	Energy causing motion	1
SC.5.P.10.4	Conductors—thermal; Insulators—electric; Neutral objects attracted to charged objects	3
SC.5.P.13.1	Forces—gravity; Forces—pushes or pulls	2
SC.5.P.13.2	Force, mass, and motion relationships; Motion—change in direction; Speed	3
	Reporting Category Point Total	**16**
Reporting Category 4. Life Science		
SC.3.L.14.1	Plant structures—fruit; Pollination	2
SC.4.L.16.4	Comparing insect life cycles	1
SC.4.L.17.3	Consumers; How animals obtain energy; Producers	3
SC.5.L.14.1	Functions—muscles and skeleton; Organ functions—sensory organs	2
SC.5.L.14.2	Animal classification—invertebrates; Comparing plant structures	2
SC.5.L.17.1	Characteristics—inherited; Impact on the environment—animals; Impact on the environment—plants; Life cycle changes—animals	4
	Reporting Category Point Total	**14**

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2019 Florida Statewide Science Assessment
Next Generation Sunshine State Standards (NGSSS)
Grade 8

NGSSS Benchmark	Content Focus	Number of Points Possible
Reporting Category 1. Nature of Science		
SC.6.N.2.2	Empirical evidence; Logical reasoning	2
SC.7.N.1.2	Comparing methods and results	1
SC.7.N.1.5	Models	1
SC.7.N.3.1	Modifying theories based on new evidence	1
SC.8.N.1.1	Analyzing data; Defending conclusions; Importance of a control group; Making predictions; Test variables	6
	Reporting Category Point Total	**11**
Reporting Category 2. Earth and Space Sciences		
SC.6.E.7.4	Hydrosphere; Ocean currents; Weather patterns; Wind direction	4
SC.6.E.7.5	Heat transfer—conduction	1
SC.7.E.6.2	Human impact—urbanization; Human impact—water flow	2
SC.7.E.6.4	Law of superposition	1
SC.7.E.6.5	Lithosphere; Mantle	2
SC.8.E.5.3	Galaxies	1
SC.8.E.5.5	Solar flares; Star size	2
SC.8.E.5.7	Planetary atmospheres	1
SC.8.E.5.9	Tides	1
	Reporting Category Point Total	**15**
Reporting Category 3. Physical Science		
SC.6.P.13.1	Electric force; Gravitational force; Magnetic force	3
SC.6.P.13.3	Speed; Unbalanced forces	2
SC.7.P.10.1	Electromagnetic spectrum; Solar radiation	2
SC.7.P.10.3	Light refraction	1
SC.7.P.11.2	Convert kinetic energy to potential energy	1
SC.7.P.11.4	Heat and phase changes	1
SC.8.P.8.4	Boiling point	1
SC.8.P.8.5	Electrons; Particle motion; Pure substances	3
SC.8.P.9.2	Influence of temperature on chemical change	1
	Reporting Category Point Total	**15**
Reporting Category 4. Life Science		
SC.6.L.14.1	Structural organization—Organ systems; Structural organization—Organs	2
SC.6.L.14.2	Cellular processes—elimination of waste	1
SC.6.L.14.4	Cell wall; Cytoplasm	2
SC.6.L.14.5	Infectious agents—viruses	1
SC.6.L.15.1	Kingdoms	1
SC.7.L.15.2	Natural selection; Theory of evolution—fossil evidence	2
SC.7.L.16.1	Punnett squares	1
SC.7.L.17.2	Commensalism; Food webs; Limiting factor—amount of sunlight	3
SC.8.L.18.4	Living systems—conservation of energy; Living systems—conservation of mass	2
	Reporting Category Point Total	**15**

What is content focus?
"Content focus" is a term that defines the specific content measured by each 2019 Florida Statewide Science Assessment test item.

The Next Generation Sunshine State Standards (NGSSS) benchmarks and content foci assessed on the 2019 Florida Statewide Science Assessment are not predictive of future Florida Statewide Science Assessment content.

What cautions should be considered when using Content Focus Reports?
Content Focus Reports should not be used to make decisions about instruction at the individual student level. Some reporting categories have too few test items to report reliable or meaningful scores at the student level. While well-intended, providing remedial instruction in a specific reporting category may not be justified and may be an inefficient use of instructional time. Content focus data should not be used as sole indicators to determine remedial needs of students.

When interpreting content focus data, the following cautions and information should also be considered:

- The number of items in a reporting category may vary from one year to another. Consequently, users should not compare performance data such as mean percent correct.
- The number of items in a reporting category will vary by grade level. Consequently, users should not compare content area scores across grade levels.
- The difficulty of the items measuring each benchmark will vary from one year to the next. Consequently, users should not compare content area scores across years.
- The analysis is based on state-level data that are not intended to provide specific classroom, school, or district interpretations.
- Scale score values cannot accurately be determined using Content Focus Reports for a number of reasons. For instance, test scores are generated from students' performance on the entirety of the test, which accounts for the difficulty (also called cognitive complexity) of test items.