

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.

2016 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; Defining a testable problem; Evaluating a procedure; Experiments v. other scientific investigations	5
SC.5.N.2.1	Distinguishing between observations and opinions; Importance of observations	3
SC.5.N.2.2	Importance of replication; Reasons for differences in data	2
Reporting Category Point Total		10
Reporting Category 2. Earth and Space Science		
SC.4.E.5.4	Appearance of the Moon; Earth’s revolution; Earth’s rotation	3
SC.4.E.6.2	Properties of minerals; Sedimentary rocks	2
SC.4.E.6.3	Natural resources—wind	1
SC.4.E.6.4	Erosion	1
SC.5.E.5.1	Energy from stars; Star brightness and distance; Star size	3
SC.5.E.5.3	Distinguishing between the Sun and planets	1
SC.5.E.7.1	Role of the Sun; Water cycle—condensation	2
SC.5.E.7.3	Climate zone—polar; Weather—humidity; Weather—locations	3
Reporting Category Point Total		16
Reporting Category 3. Physical Science		
SC.5.P.8.1	Comparing objects—mass; Comparing objects—volume	2
SC.5.P.8.3	Separating mixtures—Shape	1
SC.5.P.9.1	Changes to water—evaporation	1
SC.5.P.10.1	Heat energy produced by friction; Mechanical energy; Pitch	3
SC.5.P.10.2	Energy causing motion; Sources of energy—air	2
SC.5.P.10.4	Converting electric energy to heat; Electric circuits; Insulators—electric	3
SC.5.P.13.1	Forces—friction; Forces—gravity	2
SC.5.P.13.2	Balanced forces	1
SC.5.P.13.3	Force, mass, and motion relationships	1
Reporting Category Point Total		16
Reporting Category 4. Life Science		
SC.3.L.14.1	Plant structures—leaves; Plant structures—seeds; Plants responding to light	3
SC.4.L.16.4	Insect metamorphosis—complete	1
SC.4.L.17.3	How animals obtain energy	1
SC.5.L.14.1	Organ functions—intestines; Organ functions—skin	2
SC.5.L.14.2	Animal classification—arthropods; Comparing animal structures; Plant classification—spore-producing plants	3
SC.5.L.17.1	Characteristics—environmentally influenced; Impact on the environment—animals; Physical adaptations—animals; Seasonal changes—plants	4
Reporting Category Point Total		14

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2016 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	Evaluating new evidence	1
SC.7.N.1.2	Comparing methods and results; Replication	2
SC.7.N.1.5	Using technology	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; Using data to support a claim	6
Reporting Category Point Total		11
Reporting Category 2. Earth and Space Science		
SC.6.E.7.4	Climate; Water cycle	2
SC.6.E.7.5	Heat transfer—radiation	1
SC.7.E.6.2	Coastlines; Human impact—urbanization; Human impact—water flow; Rock cycle—erosion	4
SC.7.E.6.4	Law of superposition	1
SC.7.E.6.5	Earthquakes; Mountain building	2
SC.8.E.5.3	Galaxies; Relative distance	2
SC.8.E.5.5	Solar convection	1
SC.8.E.5.7	Law of universal gravitation	1
SC.8.E.5.9	Earth-Moon relationships	1
Reporting Category Point Total		15
Reporting Category 3. Physical Science		
SC.6.P.13.1	Contact forces; Distinguishing between weight and mass; Gravitational force	3
SC.6.P.13.3	Analyzing position-time graphs	1
SC.7.P.10.1	Electromagnetic spectrum	1
SC.7.P.10.3	Light waves	1
SC.7.P.11.2	Convert potential energy to kinetic energy; Energy transformations	2
SC.7.P.11.4	Heat and temperature changes	1
SC.8.P.8.4	Conductivity—electric	1
SC.8.P.8.5	Compounds; Particle motion; Properties of compounds; Solutions	4
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—organisms	1
SC.6.L.14.2	Cellular processes—elimination of waste	1
SC.6.L.14.4	Nucleus	1
SC.6.L.14.5	Reproductive system	1
SC.6.L.15.1	Kingdom—Fungi	1
SC.7.L.15.2	Causes for extinction; Theory of evolution—environmental factors	2
SC.7.L.16.1	DNA; Genotypes	2
SC.7.L.17.2	Energy transfer through a food web; Food webs; Limiting factor—amount of sunlight; Limiting factor—food and/or water	4
SC.8.L.18.4	Living systems—conservation of mass; Photosynthesis	2
Reporting Category Point Total		15

What is content focus?

"Content focus" is a term that defines the specific content measured by each 2016 Florida Statewide Science Assessment test item.

The Next Generation Sunshine State Standards (NGSSS) benchmarks and content foci assessed on the 2016 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.