

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.

2018 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; Collecting and organizing data; Defining a testable problem; Importance of a control group	5
SC.5.N.2.1	Distinguishing between observations and opinions; Importance of observations	3
SC.5.N.2.2	Importance of repeated trials; Importance of replication	2
Reporting Category Point Total		10
Reporting Category 2. Earth and Space Sciences		
SC.4.E.5.4	Earth’s revolution; Earth’s rotation	2
SC.4.E.6.2	Classifying rocks; Mineral properties—streak color	2
SC.4.E.6.3	Renewable v. nonrenewable resources	1
SC.4.E.6.4	Weathering—water	1
SC.5.E.5.1	Components of a galaxy; Star brightness and distance	2
SC.5.E.5.3	Distinguishing between the Sun and planets; Earth’s position; Planet characteristics	3
SC.5.E.7.1	Role of the ocean; Water cycle—evaporation	2
SC.5.E.7.3	Climate zone—polar; Weather—humidity	3
Reporting Category Point Total		16
Reporting Category 3. Physical Science		
SC.5.P.8.1	Comparing objects—temperature; Comparing objects—volume	2
SC.5.P.8.3	Dissolving—surface area; Separating mixtures—shape	2
SC.5.P.9.1	Changes to water—melting; Chemical change—temperature	2
SC.5.P.10.1	How light travels; Mechanical energy; Pitch	3
SC.5.P.10.2	Energy causing a change	1
SC.5.P.10.4	Electric circuits; Insulators—electric	2
SC.5.P.13.1	Forces—friction; Forces—gravity	2
SC.5.P.13.2	Speed; Unbalanced forces	2
Reporting Category Point Total		16
Reporting Category 4. Life Science		
SC.3.L.14.1	Plant structures—roots; Plants responding to gravity; Seed dispersal	3
SC.4.L.16.4	Insect metamorphosis—complete	1
SC.4.L.17.3	Energy flow through a food chain; How animals obtain energy	2
SC.5.L.14.1	Organ functions—skin	1
SC.5.L.14.2	Animal classification—reptiles; Comparing plant and 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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2018 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; Logical reasoning	2
SC.7.N.1.2	Comparing methods and results	1
SC.7.N.1.5	Models; Using technology	2
SC.7.N.3.1	Scientific theory	1
SC.8.N.1.1	Controlling experimental variables; Defending conclusions; Evaluating a procedure; Making predictions; Outcome variables	5
Reporting Category Point Total		11
Reporting Category 2. Earth and Space Sciences		
SC.6.E.7.4	Differentiating between weather and climate; Weather patterns	2
SC.6.E.7.5	Heat transfer—convection	1
SC.7.E.6.2	Chemical weathering; Rock cycle	2
SC.7.E.6.4	Law of superposition	1
SC.7.E.6.5	Earthquakes; Mountain building	2
SC.8.E.5.3	Relative distance	1
SC.8.E.5.5	Properties of the Sun	1
SC.8.E.5.7	Planetary motion; Properties of planets; Solar system models	3
SC.8.E.5.9	Eclipses; Moon phases	2
Reporting Category Point Total		15
Reporting Category 3. Physical Science		
SC.6.P.13.1	Friction; Gravitational force	2
SC.6.P.13.3	Analyzing position-time graphs; Unbalanced forces	2
SC.7.P.10.1	Electromagnetic spectrum	1
SC.7.P.10.3	Sound waves	1
SC.7.P.11.2	Convert potential energy to kinetic energy; Energy transformations	2
SC.7.P.11.4	Heat and phase changes; Heat flow	2
SC.8.P.8.4	Magnetic properties	1
SC.8.P.8.5	Atomic theory; Compounds; pH	3
SC.8.P.9.2	Distinguishing between physical and chemical changes	1
Reporting Category Point Total		15
Reporting Category 4. Life Science		
SC.6.L.14.1	Structural organization	1
SC.6.L.14.2	Cellular processes—elimination of waste	1
SC.6.L.14.4	Cell wall	1
SC.6.L.14.5	Nervous system; Reproductive system	2
SC.6.L.15.1	Classification of organisms	1
SC.7.L.15.2	Theory of evolution—fossil evidence; Theory of evolution—genetic variation	2
SC.7.L.16.1	Chromosomes; Genotypes	2
SC.7.L.17.2	Comparing relationships; Food webs; Limiting factor—shelter, nesting sites, and/or space	3
SC.8.L.18.4	Carbon cycle; Photosynthesis—products	2
Reporting Category Point Total		15

What is content focus?

"Content focus" is a term that defines the specific content measured by each 2018 Florida Statewide Science Assessment test item.

The Next Generation Sunshine State Standards (NGSSS) benchmarks and content foci assessed on the 2018 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.