

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.

2015 FCAT 2.0 Science 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; History of science	2
SC.7.N.1.2	Comparing methods and results	1
SC.7.N.1.5	Models	1
SC.7.N.3.1	Distinguishing between theories and laws	1
SC.8.N.1.1	Collecting and organizing data; Evaluating a procedure; Experiments v. other scientific investigations; Hypothesis; Making predictions; Test variables	6
Reporting Category Point Total		11
Reporting Category 2. Earth and Space Science		
SC.6.E.7.4	Differentiating between weather and climate; Humidity; Ozone layer	3
SC.6.E.7.5	Heat transfer—convection	1
SC.7.E.6.2	Human impact—erosion; Human impact—water flow; Lakes; Rock cycle	4
SC.7.E.6.4	Radioactive dating	1
SC.7.E.6.5	Volcanoes	1
SC.8.E.5.3	Galaxies	1
SC.8.E.5.5	Star size; Temperature and absolute brightness	2
SC.8.E.5.7	Gravity	1
SC.8.E.5.9	Tilt of Earth’s axis	1
Reporting Category Point Total		15
Reporting Category 3. Physical Science		
SC.6.P.13.1	Gravitational force and mass; Magnetic force	2
SC.6.P.13.3	How unbalanced forces affect motion	1
SC.7.P.10.1	Electromagnetic spectrum	1
SC.7.P.10.3	Sound waves	1
SC.7.P.11.2	Convert kinetic energy to potential energy; Law of conservation of energy	3
SC.7.P.11.4	Heat flow	1
SC.8.P.8.4	Conductivity—electric; Conductivity—thermal	2
SC.8.P.8.5	Compounds; Periodic table	2
SC.8.P.9.2	Distinguishing between physical & chemical changes; Influence of temperature on chemical change	2
Reporting Category Point Total		15
Reporting Category 4. Life Science		
SC.6.L.14.1	Structural organization—cells	1
SC.6.L.14.2	Cellular processes—homeostasis	1
SC.6.L.14.4	Chloroplasts; Mitochondria	2
SC.6.L.14.5	Nervous system; Respiratory system	2
SC.6.L.15.1	Kingdom—Fungi	1
SC.7.L.15.2	Theory of evolution—environmental factors	1
SC.7.L.16.1	Heredity; Punnett squares	2
SC.7.L.17.2	Comparing relationships; Energy transfer through a food web; Limiting factor—disease and/or parasitism; Limiting factor—food and/or water	4
SC.8.L.18.4	Cellular respiration	1
Reporting Category Point Total		15