Inch by Inch, Row by Row
Grades 1-5 (grade change)

Standards at a Glance	
Next Generation Sunshine State Standards for Science	SC.1.L.17.1, SC.2.L.17.1, SC.1.N.1.1, SC.1.N.1.3, SC.2.N.1.1, SC.3.N.1.1, SC.3.N.1.2, SC.3.N.1.3, SC.3.N.1.4, SC.3.N.1.5, SC.3.N.1.7, SC.4.N.1.1, SC.4.N.1.2, SC.4.N.1.4, SC.4.N.1.5, SC.4.N.1.6, SC.4.N.1.7, SC.4.N.1.8, SC.5.N.1.1, SC.3.E.5.2
Computer Science – Florida Standards for Science	SC.K2.CS-CC.1.4, SC.35.CS-CC.1.1, SC.35.CS-CC.1.3, SC.K2.CS-CP.1.2, SC.K2.CS-CP.1.3, SC.K2.CS-CP.1.4, SC.35.CS-CP.1.3, SC.K2.CS-CS.2.3, SC.K2.CS-CS.2.8, SC.35.CS-CS.2.1, SC.35.CS-CS.2.2, SC.35.CS-CS.2.3, SC.35.CS-CS.2.4
English Language Arts –Florida's B.E.S.T. Standards	ELA.1.V.1.1, ELA.2.V.1.1, ELA.3.V.1.1, ELA.4.V.1.1, ELA.5.V.1.1
Mathematics – Florida's B.E.S.T. Standards	MA.2.M.1.1, MA.2.M.1.3, MA.3.M.1.1, MA.3.M.1.2, MA.4.M.1.1, MA.2.GR.1.1, MA.2.GR.2.1, MA.3.GR.2.3, MA.4.GR.2.1, MA.5.GR.3.3, MA.2.DP.1.1, MA.2.DP.1.2
Next Generation Sunshine State Standards – Social Studies	N/A

Standards Highlighted	
Next Generation Sunshine State Standards for Science	
Life Science	
SC.1.L.17.1	Through observation, recognize that all plants and animals, including humans, need the basic necessities of air, water, food, and space.
SC.2.L.17.1	Compare and contrast the basic needs that all living things, including humans, have for survival.
Nature of Science	
SC.1.N.1.1	Raise questions about the natural world, investigate them in teams through free exploration, and generate appropriate explanations based on those explorations.
SC.1.N.1.3	Keep records as appropriate - such as pictorial and written records - of investigations conducted.
SC.2.N.1.1	Raise questions about the natural world, investigate them in teams through free exploration, and generate appropriate explanations based on those explorations.
SC.3.N.1.1	Raise questions about the natural world, investigate them individually and in teams through free exploration and systematic investigations, and generate appropriate explanations based on those explorations.
SC.3.N.1.2	Compare the observations made by different groups using the same tools and seek reasons to explain the differences across groups.

SC.3.N.1.3	Keep records as appropriate, such as pictorial, written, or simple charts and graphs, of investigations conducted.
SC.3.N.1.4	Recognize the importance of communication among scientists.
SC.3.N.1.5	Recognize that scientists question, discuss, and check each others' evidence and explanations.
SC.3.N.1.7	Explain that empirical evidence is information, such as observations or measurements, that is used to help validate explanations of natural phenomena
SC.4.N.1.1	Raise questions about the natural world, investigate them individually and in teams through free exploration and systematic investigations, and generate appropriate explanations based on those explorations.
SC.4.N.1.2	Compare the observations made by different groups using multiple tools and seek reasons to explain the differences across groups.
SC.4.N.1.4	Attempt reasonable answers to scientific questions and cite evidence in support.
SC.4.N.1.5	Compare the methods and results of investigations done by other classmates.
SC.4.N.1.6	Keep records that describe observations made, carefully distinguishing actual observations from ideas and inferences about the observations.
SC.4.N.1.7	Recognize and explain that scientists base their explanations on evidence.
SC.4.N.1.8	Recognize that science involves creativity in designing experiments.
SC.5.N.1.1	Define a problem, use appropriate reference materials to support scientific understanding, plan and carry out scientific investigations of various types such as: systematic observations, experiments requiring the identification of variables, collecting and organizing data, interpreting data in charts, tables, and graphics, analyze information, make predictions, and defend conclusions.
Earth Science	
SC.3.E.5.2	Identify the Sun as a star that emits energy; some of it in the form of light
Computer Science	
Communication and Collaboration	
SC.K2.CS-CC.1.4	Provide and accept constructive criticism on a collaborative project.
SC.35.CS-CC.1.1	Identify technology tools for individual and collaborative data collection, writing, communication, and publishing activities.
SC.35.CS-CC.1.3	Identify ways that technology can foster teamwork, and collaboration can support problem solving and innovation.
Computer Practices and Programing	
SC.K2.CS-CP.1.2	Collect and manipulate data using a variety of computing methods (e.g., sorting, totaling, and averaging).
SC.K2.CS-CP.1.3	Propose a solution to a problem or question based on an analysis of the data and critical thinking, individually and collaboratively.

SC.K2.CS-CP.1.4	Create data visualizations (e.g., charts and infographics), individually and collaboratively.
SC.35.CS-CP.1.3	Identify, research, and collect a data set on a topic, issue, problem, or question using age-appropriate technologies.
Communication Systems and Computing	
SC.K2.CS-CS.2.3	Solve real life issues in science and engineering using computational thinking.
SC.K2.CS-CS.2.8	Gather and organize information using concept-mapping tools.
SC.35.CS-CS.2.1	Solve age-appropriate problems using information organized using digital graphic organizers (e.g., concept maps and Venn-diagrams).
SC.35.CS-CS.2.2	Describe how computational thinking can be used to solve real life issues in science and engineering.
SC.35.CS-CS.2.3	Explain the process of arranging or sorting information into useful order as well as the purpose for doing so.
SC.35.CS-CS.2.4	Solve real-world problems in science and engineering using computational thinking skills.
English Language Arts –Florida's B.E.S.T. Standards	
Vocabulary	
ELA.1.V.1.1 ELA.2.V.1.1 ELA.3.V.1.1 ELA.4.V.1.1 ELA.5.V.1.1	Use grade-level academic vocabulary appropriately in speaking and writing.
Mathematics – Florida's B.E.S.T. Standards	
Measurement	
MA.2.M.1.1	Estimate and measure the length of an object to the nearest inch, foot, yard, centimeter or meter by selecting and using an appropriate tool.
MA.2.M.1.3	Solve one- and two-step real-world measurement problems involving addition and subtraction of lengths given in the same units.
MA.3.M.1.1	Select and use appropriate tools to measure the length of an object, the volume of liquid within a beaker and temperature.
MA.3.M.1.2	Solve real-world problems involving any of the four operations with whole-number lengths, masses, weights, temperatures or liquid volumes.
MA.4.M.1.1	Select and use appropriate tools to measure attributes of objects.
Geometric Reasoning	

MA.2.GR.1.1	Identify and draw two-dimensional figures based on their defining attributes. Figures are limited to triangles, rectangles, squares, pentagons, hexagons and octagons.
MA.2.GR.2.1	Explore perimeter as an attribute of a figure by placing unit segments along the boundary without gaps or overlaps. Find perimeters of rectangles by counting unit segments.
MA.3.GR.2.3	Solve mathematical and real-world problems involving the perimeter and area of rectangles with whole-number side lengths using a visual model and a formula.
MA.4.GR.2.1	Solve perimeter and area mathematical and real-world problems, including problems with unknown sides, for rectangles with whole-number side lengths.
MA.5.GR.3.3	Solve real-world problems involving the volume of right rectangular prisms, including problems with an unknown edge length, with whole-number edge lengths using a visual model or a formula. Write an equation with a variable for the unknown to represent the problem.
Data Analysis and Probability	
MA.2.DP.1.1	Collect, categorize and represent data using tally marks, tables, pictographs or bar graphs. Use appropriate titles, labels and units.
MA.2.DP.1.2	Interpret data represented with tally marks, tables, pictographs or bar graphs including solving addition and subtraction problems.