

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
DISTRICT PACING GUIDE**

YEAR-AT-A-GLANCE/ CURRICULUM MAP

Grade 5		COURSE CODE: 5020060	
<p>Strand H The Nature of Science These benchmarks should be introduced during the first nine weeks, and then embedded in all science lessons throughout the year as they blend easily with teaching inquiry and are the basis of an activity/lab-based science classroom.</p>			
<p>SC.H.1.2.1 Scientific Processes (AA) SC.H.1.2.2 Analyzing Results and Drawing Conclusions (AA) SC.H.1.2.3 Collaboration in Groups SC.H.1.2.4 Compare / Contrast Observation (Tested as H.1.2.2) SC.H.1.2.5 Using Models (CS)</p>		<p>SC.H.2.2.1 Natural Events are Predictable (CS) SC.H.3.2.1 Inventions to Solve Problems (AA) SC.H.3.2.2 Data Collection and Interpretation (Tested as H.1.2.2) SC.H.3.2.3 Reflection (Tested as H.3.2.1) SC.H.3.2.4 Experimental Design (AA)</p>	
1 ST Nine Weeks	2 ND Nine Weeks	3 RD Nine Weeks	4 TH Nine Weeks
<p>I. Practicing and Thinking Like a Scientist</p> <p>II. Properties of Matter SC.A.1.2.1 (AA) Properties and measurement of matter SC.A.1.2.3 Total weight SC.A.1.2.2 States of matter</p> <p>III. Physical Changes SC.A.1.2.4 (AA)</p> <p>IV. Chemical Changes SC.A.1.2.5</p> <p>V. Force and Motion SC. C.1.2.1 Motion SC.C.2.2.2 Net Forces SC.C.2.2.3 Effect on forces SC.C.2.2.4 (AA) How forces affect motion</p> <p>VI. Energy SC.B.1.2.2 (AA) Forms of Energy SC.C.1.2.2 Sound Waves SC.B.1.2.3 Light and Heat SC.B.1.2.4 Energy transfer SC.B.1.2.5 Measure of Energy SC.B.1.2.6 Movement of Heat SC.B.1.2.1 Flow of Energy</p>	<p>VII. Processes That Shape the Earth SC.D.1.2.1 Weathering of Rocks SC.D.1.2.4 (AA) Earth's Surface Changes SC.D.1.2.5 Fast and Slow Changes</p> <p>VIII. Characteristics of Life SC.F.1.2.3 (AA) Living Things Share Similar Structures SC.F.1.2.4 Cells and Structures SC.A.2.2.1 Microscopic views</p> <p>IX. Plants in the Ecosystem SC.F.1.2.4 Cells and Structures SC.F.1.2.3 (AA) Photosynthesis SC.G.1.2.1 Interaction</p> <p>X. Interaction in the Ecosystem SC.G.1.2.1 Organisms Interact SC.G.1.2.2 (AA) Adaptations SC.G.1.2.7 Adapting to Conditions SC.G.2.2.1 (AA), Competition for Resources (B.2.2.2 & B.2.2.3) SC.G.2.2.2 Population factors SC.G.2.2.3 Changes in Habitat</p> <p>XI. Energy in the Ecosystem SC.B.1.2.1 (AA) Flow of Energy in a Biotic System SC.B.2.2.1 Sources of Energy for Organisms (G.1.2.5) SC.F.1.2.2 Animal plant dependence.</p>	<p>XII. Energy Resources SC.B.2.2.2 Nonrenewable Resources SC.B.2.2.3 Renewable Resources SC.D.2.2.1 Resources and the 3R'S</p> <p>XIII. Earth and Space SC.E.1.2.1 (AA) Tilt of the Earth as it Rotates and Revolves Around the Sun SC.E.1.2.2 Moon phases</p> <p>XIV. Planet Characteristics SC.E.1.2.4 Planet characteristics</p> <p>XV. Stars SC.E.2.2.1 Properties of stars SC.E.1.2.3 Sun's Energy</p> <p>XVI. Scientific Inquiry (Nature of Science)</p>	<p>XVII. Earth's Water SC.D.1.2.3 Water Cycle SC.D.1.2.2. Earth is 75% water</p> <p>XVIII. Simple Machines SC.C.2.2.1 Forces and the operation of simple machines</p> <p>XIX. The Human Body SC.F.1.2.4 Human Cells SC.F.1.2.1 Human Body Systems SC.F.2.2.1 Inherited Versus Learned Traits SC.A.2.2.1 Magnification with Microscopes</p> <p>XX. Human Growth and Development</p> <ul style="list-style-type: none"> • Our Body • Living Safely • Achieving Wellness