

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

**YEAR-AT-A-GLANCE**

M/J COMPREHENSIVE SCIENCE 3		COURSE CODE: 200210001	
1 <sup>ST</sup> Nine Weeks	2 <sup>ND</sup> Nine Weeks	3 <sup>RD</sup> Nine Weeks	4 <sup>TH</sup> Nine Weeks
<p>I. Matter (SC.8.P.8.2; SC.8.N.1.1; SC.8.N.1.2) A. What is Matter B. Review forces C. Weight vs Mass</p> <p>II. Physical Properties of Matter (SC.8.P.8.3; SC.8.P.8.4; SC.8.N.1.1; SC.8.N.1.2) A. Physical properties B. Testing unknowns using physical properties</p> <p>III. States of Matter (SC.8.P.8.1; SC.8.P.8.4; SC.8.P.9.1; SC.8.N.1.1; SC.8.N.1.2) A. States of Matter B. Molecular motion in states of matter C. Physical changes of matter D. Law of Conservation of Mass</p> <p>IV. Atoms and Elements (SC.8.P.8.7; SC.8.P.8.1; SC.8.N.1.3; SC.8.N.1.5; SC.8.N.1.6; SC.8.N.2.2; SC.8.N.3.1; SC.8.N.3.2) A. Atomic Theory and structure B. Elements C. Theories in science</p> <p>V. Periodic Table (SC.8.P.8.6; SC.8.N.1.1; SC.8.N.1.2; SC.8.N.1.3; SC.8.N.1.4; SC.8.N.1.5; SC.8.N.1.6) A. Periodic Table of Elements B. Chemical bonding</p>	<p>VI. Chemical Properties and Changes of Matter (SC.8.P.8.5; SC.8.P.8.9; SC.8.P.8.8; SC.8.P.8.1; SC.8.P.9.1; SC.8.P.9.2; SC.8.P.9.3; SC.8.N.1.1; SC.8.N.1.2; SC.8.N.1.6) A. Compounds B. Mixtures and solutions C. Chemical changes</p> <p>VII. Photosynthesis and Its Processes (SC.8.L.18.1; SC.L.18.4; SC.8n.1.1; sc.8n.1.2; SC.8.N.1.6; SC.8.N.3.1; LA.8.2.2.3) A. Cell structure review B. Photosynthesis process input C. Photosynthesis products D. Process and pathways E. Law of Conservation of Mass and Energy F. Review electromagnetic waves - light</p> <p>VIII. Cellular Respiration and Its Processes (SC.8.L.18.2; SC.8.L.18.4; SC.8.N.1.1; SC.8.N.1.2; SC.8.N.1.6; SC.8.N.3.1) A. Cell respiration B. Cell respiration process input C. Process and pathways</p> <p>IX. The Carbon Cycle (SC.8.L.18.3; SC.8.N.1.1; SC.8.N.1.2; SC.8.N.1.6; SC.8.N.3.1) A. Survey of cycles in nature B. Carbon cycle C. Human impact on carbon cycle</p> <p>X. Stars and Galaxies (SC.8.E.5.2; SC.8.E.5.1; SC.8.E.5.5; SC.8.E.5.3; SC.8.E.5.4; SC.8.E.5.11; SC.8.E.5.10; SC.8.N.3.2) A. Objects in space B. Distances in space C. Properties of stars D. Astronomical bodies E. Law of Universal Gravitation and the formation of stars</p> <p>XI. The Sun (SC.8.E.5.5; SC.8.E.5.6; SC.8.N.1.3; SC.8.N.2.1; SC.8.N.2.2) A. The Sun's characteristics</p>	<p>XII. Solar System (SC.8.E.5.8; SC.8.E.5.7; SC.8.E.5.4; SC.8.N.1.3; SC.8.N.2.1; SC.8.N.2.2; SC.8.N.3.1; SC.8.N.3.2) A. Objects in the Solar System B. Models of the Solar System</p> <p>XIII. Solar System: Sun, Earth, and Moon (SC.8.E.5.9; SC.8.E.5.10; SC.8.E.5.11; SC.8.E.5.12; SC.8.N.1.6; SC.8.N.3.1) A. The impact of gravity on Earth B. Moon phases C. Seasons D. Tides E. Eclipses F. Review electromagnetic waves G. Technology used in exploring space</p>	<p>XIV. Review Annually Assessed Benchmarks (Fair Game SC.7.E.6.2; SC.6.E.6.1; SC.6.E.6.2; SC.7.E.6.6; SC.7.E.6.4; SC.7.E.6.3; SC.7.E.6.5; SC.7.E.6.1; SC.7.E.6.7; SC.6.E.7.4; SC.6.E.7.2; SC.6.E.7.3; SC.6.E.7.6; SC.6.E.7.9; SC.6.E.7.5; SC.6.E.7.1; SC.7.P.10.3; SC.7.P.10.2; SC.7.P.11.2; SC.6.P.11.1; SC.7.P.11.3; SC.7.P.11.4; SC.7.P.11.1; SC.6.P.13.1; SC.6.P.13.2; SC.8.P.8.2; SC.6.L.14.1; SC.6.L.14.2; SC.6.L.14.3; SC.6.L.14.4; SC.6.L.14.5; SC.6.L.14.6; SC.6.L.15.1; SC.7.L.15.2; SC.7.L.15.1; SC.7.L.15.3; SC.7.L.16.1; SC.7.L.16.2; SC.7.L.16.3; SC.7.L.17.2</p> <p>XV. Human Regulation and Reproduction (HE.8.C.1.7; HE.8.C.1.8; HE.8.B.3.6; HE.8.P.1.2; HE.8P.1.3) A. Endocrine System B. Reproductive System C. Human Life Stages D. Planning for Marriage and Parenthood E. Abstinence F. Sexually Transmitted Disease G. HIV/AIDS</p> <p>XVI. Substance Abuse - Personal Health Relationships (HE.8.P.1.1; HE.8.B.3.4; HE.8.B.3.7; HE.8.B.2.1; HE.8.C.2.2; HE.8.C.2.7; HE.8.C.1.1; HE.8.C.1.5) A. Family and peers B. Substance abuse prevention C. Peer pressure D. Communication E. Personal health</p>