



**Millington Central  
Middle High School**

**SCIENCE PACING GUIDE**  
**8<sup>th</sup> Grade**

FIRST QUARTER		
Discovery ED Lesson(s)	Pacing	Topics
Teacher Led Procedures and Mastery Connect Diagnostic	5 days	<ul style="list-style-type: none"><li>Procedures and Diagnostic Test</li></ul>
Chapter 6, Lesson 5	5 days	<ul style="list-style-type: none"><li>8.ESS2.3 Rocks: Processes and Forces</li></ul>
Chapter 6, Lesson 3	5 days	<ul style="list-style-type: none"><li>8.ESS2.4 Plate Movement and Convection Cycles</li></ul>
Chapter 6, Lesson 2	5 days	<ul style="list-style-type: none"><li>8.ESS2.5 Processes of Plate Tectonics</li></ul>
Chapter 6, Lesson 3	4 days	<ul style="list-style-type: none"><li>8.ESS2.5 Tectonic Plates</li></ul>
Chapter 6, Lesson 1 Chapter 6, Lesson 6	5 days	<ul style="list-style-type: none"><li>8.ESS2.2 Seismic Waves and Earth's Structure</li></ul>
Chapter 6, Lesson 3 Chapter 6, Lesson 2	5 days	<ul style="list-style-type: none"><li>8.ESS3.2 Natural Hazards: Volcanoes and Earthquakes</li></ul>
Chapter 7, Lesson 1	5 days	<ul style="list-style-type: none"><li>8.ESS3.1 Resource Distribution</li></ul>
Discovery ED Handouts and Videos	5 days	<ul style="list-style-type: none"><li>8.ESS2.1 Biogeology: Extinction Events</li></ul>



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SECOND QUARTER		
Lesson(s)	Pacing	Topics
Chapter 4, Lesson 5	8 days	<ul style="list-style-type: none"><li>8.LS4.1 Fossil Record</li></ul>
Chapter 4, Lesson 5	8 days	<ul style="list-style-type: none"><li>8.LS4.2 Evidence of Common Ancestry</li></ul>
Chapter 4, Lesson 1	8 days	<ul style="list-style-type: none"><li>8.LS4.3 Phenotypic Variation</li></ul>
Chapter 4, Lesson 2 Chapter 4, Lesson 5	8 days	<ul style="list-style-type: none"><li>8.LS4.4 Natural Selection</li></ul>
Chapter 4, Lesson 4 Chapter 4, Lesson 5	7 days	<ul style="list-style-type: none"><li>8.LS4.5 Technology and Artificial Selection</li></ul>



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THIRD QUARTER		
Lesson(s)	Pacing	Topics
Chapter 5, Lesson 1	8 days	<ul style="list-style-type: none"><li>8.ESS1.1 The Universe and Its Stars</li></ul>
Chapter 5, Lesson 2	6 days	<ul style="list-style-type: none"><li>8.ESS1.2 Gravity, Celestial Motions, and Tides</li></ul>
Chapter 5, Lesson 1 Chapter 5, Lesson 2	4 days	<ul style="list-style-type: none"><li>8.ETS1.2 Technology, the Solar System, and the Universe</li></ul>
Chapter 2, Lesson 1	5 days	<ul style="list-style-type: none"><li>8.PS2.3 Position, Forces, and Direction (Newton's First Law)</li></ul>
Chapter 2, Lesson 1	5 days	<ul style="list-style-type: none"><li>8.PS2.4 Newton's Second Law</li></ul>
Chapter 2, Lesson 1 Chapter 2, Lesson 2	5 days	<ul style="list-style-type: none"><li>8.PS2.5 Newton's Third Law</li></ul>
Chapter 1, Lesson 1	5 days	<ul style="list-style-type: none"><li>8.PS2.2 Non-contact Forces</li></ul>
Chapter 1, Lesson 1	5 days	<ul style="list-style-type: none"><li>8.PS2.1 Magnetism and Electricity</li></ul>
Chapter 1, Lesson 1	5 days	<ul style="list-style-type: none"><li>8.PS2.1 and 8.ETS1.1 Optimal Solution Design: Electromagnets</li></ul>



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FOURTH QUARTER		
Lesson(s)	Pacing	Topics
Chapter 1, Lesson 2	5 days	<ul style="list-style-type: none"> <li>8.PS4.1 Basic Properties of Waves</li> </ul>
Chapter 1, Lesson 3	5 days	<ul style="list-style-type: none"> <li>8.PS4.2 Mechanical Waves and Electromagnetic Waves</li> </ul>
Chapter 3, Lesson 1	5 days	<ul style="list-style-type: none"> <li>8.PS4.3 Waves and Communication Systems</li> </ul>
Discovery Education Lessons and Supplemental Materials	3 days	<ul style="list-style-type: none"> <li>Review Earth and Space Sciences Standards 8.ESS1.1-2, 8.ESS2.1-5, and 8.ESS3.1-2</li> </ul>
Discovery Education Lessons and Supplemental Materials	1 day	<ul style="list-style-type: none"> <li>Review Life Sciences and Engineering Standards 8.LS4.1-5 and 8.ETS1.1-2</li> </ul>
Discovery Education Lessons and Supplemental Materials	1 day	<ul style="list-style-type: none"> <li>Review Physical Sciences Standards 8.PS2.1-5 and 8.PS4.1-3</li> </ul>
Discovery Education Lessons and Supplemental Materials	5 days	<ul style="list-style-type: none"> <li>Mixed Review of Science Standards (Week of State Testing)</li> </ul>
Discovery Education Lessons and Supplemental Materials	5 days	<ul style="list-style-type: none"> <li>BIO1.LS1.2-3 Cell Structures/DNA Molecule and BIO1.LS3.2 Changes in DNA Leads to Mutations</li> </ul>
Discovery Education Lessons and Supplemental Materials	5 days	<ul style="list-style-type: none"> <li>BIO1.LS1.8 Model of Photosynthesis</li> </ul>
Discovery Education Lessons and Supplemental Materials	5 days	<ul style="list-style-type: none"> <li>BIO1.LS2.4 Biomass in Trophic Levels</li> </ul>
Discovery Education Lessons and Supplemental Materials	4 days	<ul style="list-style-type: none"> <li>BIO1.LS2.5 Ecological Succession</li> </ul>