

## 8<sup>th</sup> Grade Science Pacing Guide

			TN Standards	Lesson Focus	Additional Notes
			0807.9.1 0807.9.2	Beginning of Year + Atoms	<b>First day of school/Lab + Particle theory</b> Chapter 1.1/1.2 Chapter 10.1/10.2
			0807.9.1 0807.9.2	Atoms	<b>History and Parts of Atoms</b> Chapter 10.1/10.2
			0807.9.1 0807.9.2 0807.9.4	Atoms/Elements	<b>Parts + Models + Symbol</b> Chapter 9.1 Chapter 10.2 Chapter 12.1
			0807.9.1 0807.9.2 0807.9.6	Arrangement on the PT	<b>Bohr Diagram/Lewis + Groups/Periods</b> Chapter 11
			0807.9.6	Arrangement on the PT	<b>Regions and Identification</b> Chapter 11
			0807.9.2 0807.9.6	Periodic Table	<b>Group Properties + Trends</b> Chapter 11
			0807.Inq.2 0807.Inq.3	Properties	<b>Measurement + Physical</b> Chapter 1.5 Chapter 7
			0807.9.1 0807.9.2 0807.9.3	Properties	<b>Chemical and Physical Properties</b> Chapter 7.2-7.3
			0807.9.1 0807.9.3	Properties	<b>Chemical and Physical Changes</b> Chapter 7.2-7.3 Chapter 8.1-8.2
<b>District Benchmark Assessment</b>					

			TN Standards	Lesson Focus	Additional Notes
			0807.9.3	Compounds	<b>Types + Separation</b> Chapter 7.3 Chapter 9.2
			0807.9.2 0807.9.4	Compounds + Properties	<b>Classifying + Parts</b> Chapter 7.3 Chapter 9.2
			0807.9.2 0807.9.7 0807.9.8	Chemical Reactions	<b>Signs + Balancing</b> Chapter 12.1/12.2
			0807.9.7 0807.9.8	Chemical Reactions	<b>Balancing + Law of Conservation</b> Chapter 12.2
			0807.9.7 0807.9.8	Chemical Reactions	<b>Balancing + Law of Conservation</b> Chapter 12.2
			0807.9.4 0807.9.8	Chemical Reactions	<b>Types of Equations</b> Chapter 12.3/Chapter 12.4 (exo/endo)
			0807.9.4	Mixture	<b>Properties</b> Chapter 9.3
			0807.9.4	Mixture	<b>Types + Separation</b> Chapter 9.3 <i>Review Physical changes</i>
			0807.9.3 0807.9.4 0807.9.5	Mixture	<b>Atmosphere and Elements, Compounds, Mixtures Review/Wrap Up</b> Chapter 15.3 ( <i>atmosphere</i> ) Chapter 9 for ECM
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			TN Standards	Lesson Focus	Additional Notes
			0807.9.9	Acid/Bases	<b><i>Properties of Acids and Bases and pH</i></b> Chapter 14.2 Chapter 14.3
			0807.9.9	Acid/Bases	<b><i>Properties of Acids and Bases and pH</i></b> Chapter 14.2 Chapter 14.3
			0807.12.1 0807.12.3	Magnets	<b><i>Properties of Magnets</i></b> Chapter 16.1
			0807.12.2	Magnets/Induction	<b><i>Properties of Electromagnets and Electromagnetism</i></b> Chapter 16.2 Chapter 16.3
			0807.124 0807.12.5	Gravity	<b><i>Review of Mass and Weight Properties of Gravity and Planetary Motion</i></b> Chapter 7.1 Chapter 15.4
			0807.124 0807.12.5	Gravity	<b><i>Review of Mass and Weight Properties of Gravity and Planetary Motion</i></b> Chapter 15.4
			0807.5.1 0807.5.2	Classification	<b><i>Naming Systems and Dichotomous Keys</i></b> Chapter 2
			0807.5.1 0807.5.2	Classification	<b><i>Levels of Classification</i></b> Chapter 2
			0807.5.3	Adaptation	<b><i>Adaptations</i></b> Chapter 3
			0807.5.3	Adaptation	<b><i>Adaptations</i></b> Chapter 3
<b>District Benchmark Assessment</b>					

			TN Standards	Lesson Focus	Additional Notes
			0807.5.4	Natural Selection	Chapter 4.2 Chapter 4.3
			0807.5.6	Natural Selection/ Evolution	<b><i>Changes over time evidence including structures, fossils and appearance</i></b> Chapter 4.1 Chapter 5.1
			0807.5.5	Biodiversity	<b><i>Importance of maintaining biodiversity and factors that affect this</i></b> Chapter 6.1 Chapter 6.2
			0807.5.5	Biodiversity/Review	<b><i>Importance of maintaining biodiversity and factors that affect this</i></b> Chapter 6.1 Chapter 6.2
				Revisit Standards	
				Sex Respect	
				Invention/Innovation Unit	