

## Scope and Sequence

Subject/Title of Unit	Grade	6 Weeks	Estimated Time Frame (# of days)
IPC/Unit 2 Changes in Matter	10-11	2 <sup>nd</sup> Six Weeks	3 weeks and 3 days
TEKS/Student Expectations		Examples/Specifications:	
<p>6. E) measure the thermal and electrical conductivity of various materials and explain results;</p> <p>7. D) relate the chemical behavior of an element including bonding, to its placement on the periodic table; and</p> <p>(E) classify samples of matter from everyday life as being elements, compounds, or mixtures.</p> <p>8 (E) research and describe the environmental and economic impact of the end-products of chemical reactions.</p> <p>9. B) relate the concentration of ions in a solution to physical and chemical properties such as pH, electrolytic behavior, and reactivity.</p>		<p>6 E - Discuss proper measuring techniques of thermal and electrical conductivity and the materials used to do so.</p> <p>7 D and E- discuss the relationship of elements, compounds, and mixtures with everyday life and where these fit with the periodic table.</p> <p>8 E- discuss the results of chemical reactions to the environment.</p> <p>9B – discuss how the concentration of ions affect the PH of solutions.</p>	
Language of Instruction:		Instructional Resources/Textbook Correlations:	
<p>Periodic table, metals, nonmetals, compounds, mixtures, organic compounds, oxidation numbers, metalloids, periods, groups, and families</p>		<p>Textbook pg 606-670</p>	
		Weblinks/Other Resources:	

<b>Evaluation/External Assessment/Local Assessment:</b>	<b>Best Instruction Timeline:</b>
Teacher/ Testbank Tests Labs and Quizzes	<ul style="list-style-type: none"> <li>2 days metals</li> <li>2 days nonmetals</li> <li>3 days mixed groups</li> <li>2 days simple organic compounds</li> <li>2 days carbon compounds</li> <li>2 days biological compounds</li> <li>1 day materials with a past</li> <li>1 day versatile materials</li> <li>2 days polymers and composites</li> </ul>