

Scope and Sequence

Subject/Title of Unit	Grade	6 Weeks	Estimated Time Frame (# of days)
IPC/Unit 3 Solutions	10-11	3rd Six Weeks	5 weeks and 2 days
TEKS/Student Expectations		Examples/Specifications:	
<p>7 (A) analyze energy changes that accompany chemical reactions such as those occurring in heat packs, cold packs, and glow sticks to classify them as endergonic or exergonic reactions;</p> <p>(E) research and describe the environmental and economic impact of the end-products of chemical reactions.</p> <p>8 (A) relate the structure of water to its function as the universal solvent;</p> <p>(B) relate the concentration of ions in a solution to physical and chemical properties such as pH, electrolytic behavior, and reactivity;</p> <p>(C) simulate the effects of acid rain on soil, buildings, statues, or microorganisms;</p> <p>(D) demonstrate how various factors influence solubility including temperature, pressure, and nature of the solute and solvent; and</p> <p>(E) demonstrate how factors such as particle size, influence the rate of dissolving.</p>		<p>7 A and E - discuss the energy changes that accompany endergonic and exergonic reactions and describe the economic impact of the end- products of chemical reactions</p> <p>8 A and B- discuss water as the universal solvent and relate the concentration of ions in a solution to physical and chemical properties.</p> <p>8 C and D -discuss the affects of acid rain and demonstrate how various factors influence solubility.</p> <p>8 E- discuss how particle size influence the dissolving rate of materials.</p>	
Language of Instruction:		Instructional Resources/Textbook Correlations:	

<p>Dissolving without water, solubility and concentration, particles in solution, boiling points, chemical changes, chemical equations, classifying chemical reactions, chemical reactions and energy, acids and bases, strength of acids and bases, salts</p>	<p>Textbook pg 702-764</p>
	<p>Weblinks/Other Resources:</p>
<p>Evaluation/External Assessment/Local Assessment:</p>	<p>Best Instruction Timeline:</p>
<p>Teacher/ Testbank Tests Labs and Quizzes</p>	<p>2 days how solutions form 2 days dissolving without water 1 day solubility and concentration 3 days particles in solution 1 day chemical changes 2 days chemical changes 2 days chemical equations 2 days classifying chemical reactions 3 days chemical reactions and energy 3 days acids and bases 2 days strength of acids and bases 4 days salts</p>