

Scope and Sequence

Subject/Title of Unit	Grade	6 Weeks	Estimated Time Frame (# of days)
IPC/Unit 1 Matter	10-11	1st Six Weeks	7 weeks
TEKS/Student Expectations		Examples/Specifications:	
<p>(7) Science concepts. The student knows relationships exist between properties of matter and its components. The student is expected to:</p> <p>(A) investigate and identify properties of fluids including density, viscosity, and buoyancy;</p> <p>(B) research and describe the historical development of the atomic theory;</p> <p>(C) identify constituents of various materials or objects such as metal salts, light sources, fireworks displays, and stars using spectral-analysis techniques;</p> <p>(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 (A) distinguish between physical and chemical changes in matter such as oxidation, digestion, changes in states, and stages in the rock cycle;</p> <p>(C) investigate and identify the law of conservation of mass;</p>		<p>7 A – discuss the properties of fluids.</p> <p>7 B – Discuss the history of the atomic theory.</p> <p>7 C – discuss the use of a spectral analysis to identify the make up of certain materials.</p> <p>7 D and E - Classify samples of matter and discuss the ways a certain chemical would bond and describe the characteristics it would have according to where it is on the periodic table.</p> <p>8 A and C – discuss chemical and physical changes in matter and identify the law of conservation of mass.</p>	

Language of Instruction:	Instructional Resources/Textbook Correlations:
Composition of matter, properties of matter, structures of the atom, mass, protons, neutrons, electrons, periodic table, groups, periods, families, metalloids, formulas, ionic bonds, and covalent bonds	Textbook pg 484-572
	Weblinks/Other Resources:
Evaluation/External Assessment/Local Assessment:	Best Instruction Timeline:
Teacher/ Testbank Tests Labs and Quizzes	2 days kinetic theory 3 days properties of fluids 5 days behavior of gases 3 days composition of matter 4 days properties of matter 2 days structure of the atom 3 days masses of atoms 4 days periodic table 2 days stability in bonding 3 days types of bonds 4 days writing formulas

