



ODESSA SCIENCE DEPARTMENT CHEMISTRY SYLLABUS

Textbook: Author:	Merrill Chemistry Smoot, Smith, & Pri	ce (Glencoe)		
<u>WEEK</u>	<u>UNIT</u>	<u>CONCEPTS</u>	SUGGESTED <u>READING</u>	
1-3	Course Intro Sci Method	Contracts, Safety Calculators, Mathematica, Unita	Chpts. 1-2	
EXAM 1: We	eek 1Q-W3	Mathematics, Units		Introduction
4-6	Formula Ionic Covalent	Names Symbols Compounds	Chpt. 7	
EXAM 2: We	eek 1Q-W6	Oxidation #'s		Formula
7-9	Reactions	Reaction Types, Balancing,	Chpt. 9.1	
EXAM 3: Wo	eek 1Q-W9 (end of 1	Classifying st Quarter)		Reactions
10-12	The Mole	Molarity, Avogadro, Formula Mass, Percent Composition Molecular	Chpt. 8	
<u>EXAM 4: We</u>	eek 2Q-W3	Mass, Empirical Formul	a	Mole
13-15		INDEPE STEM RE	ENDENT ESEARCH	
		2 nd QUARTER RE	SEARCH PROJECT	
EXAM 5 in f	orm of PAPER & PO	OWERPOINT PRES	ENTATIONS: Week 2Q-W6	
16-18	Stoichiometry Limiting,	Stoichiometric Reactions, Balancing,	Chpt. 9.2	
EXAM 6: Wo	Excess eek 2Q-W9	Percent Yield		Stoichiometry

1st SEMESTER FINAL: Week 2Q-W9





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Electron Cloud & Configuration	
Salts	
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2nd SEMESTER FINAL: Week 4Q-W9

Chemistry: Grade 11-12, 1 Semester Credit

Chemistry studies and investigates the structure and properties of matter. Chemical theories and concepts with quantitative problems challenge students, helping them to develop a better understanding of their physical world. Students develop experiments and learn about the nature of chemicals and reactions through these student-driven research-based laboratory experiences.