

JASPER HIGH SCHOOL

AP Chemistry Syllabus

Week	Unit	Lab	AP Chemistry Learning Objectives
Week One	Unit 1 Atomic Theory Atomic Mass and Quantitative Chemistry	Mass Spec (Pencil and Paper)	1.4, 1.17, 3.3, 3.4
Week Two	Unit 2 Reactions	Precipitation Reaction Simulation	2.8, 2.19, 3.2, 3.10, 3.8, 3.9
Week Three	Unit 2 Reaction Stoichiometry	Redox Titration	2.8, 2.19, 3.2, 3.10, 3.8, 3.9
Week Four	Unit 3 Thermodynamics (Review bonding)	Hand-warmer Lab	3.11, 5.2, 5.3, 5.4, 5.7, 5.8, 5.12, 5.13, 5.14, 5.15, 5.18
Week Five	Unit 3 Thermodynamics continued		3.11, 5.2, 5.3, 5.4, 5.7, 5.8, 5.12, 5.13, 5.14, 5.15, 5.18
Week Six	Unit 4 Equilibrium	LeChatlier's Principle	6.1, 6.2, 6.3, 6.4, 6.6, 6.7, 6.8, 6.9, 6.10, 6.25
Week Seven	Unit 5 Solutions and IMFs	Chromatography	2.7, 2.8, 2.10, 2.15, 2.18, 2.25, 2.27, 2.28, 3.11
Week Eight	Unit 6 Equilibrium and Solutions	Ksp	6.5, 6.8, 6.21, 6.22, 6.23, 6.24
Week Nine	Review MID-TERM EXAMS		
Week Ten	Unit 7 Electrochemistry	Electrochemical Cells	2.19, 3.2, 3.12, and 3.13
Week Eleven	Unit 8 Kinetics	Iodine Clock	3.11, 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 5.18
Week Twelve	Unit 9 Acid, Base Chemistry	Titration	1.20, 2.2, 3.7, 6.5, 6.8, 6.11, 6.12, 6.13, 6.14, 6.15, 6.16, 6.17, 6.18, 6.19, 6.20, 6.23
Week Thirteen	Unit 9 Acid Base Chemistry continued	Buffer Design	1.20, 2.2, 3.7, 6.5, 6.8, 6.11, 6.12, 6.13, 6.14, 6.15, 6.16, 6.17, 6.18, 6.19, 6.20, 6.23
Week Fourteen	Unit 10 Gases	Determining Molar Mass by Vapor Density	1.4, 2.4, 2.5, 2.6, 2.16, 3.3, 3.4, 5.2
Week Fifteen	Unit 11 Bonding		1.10, 1.11, 1.15, 1.16, 2.17, 2.18, 2.19, 2.21, 2.23, 2.24, 5.1, 5.8
Week Sixteen	Unit 12 Atomic Theory and Periodic Trends	PES (Virtual)	1.1, 1.5, 1.6, 1.7, 1.8, 1.9, 1.10, 1.12. 1.14
Week Seventeen	AP Review		
Week Eighteen	AP Mock Exam and Review (FINAL EXAM)		

DATE OF MID-TERM EXAM:

DATE OF FINAL EXAM: