

## AP Chemistry 2017-2018 - Quarter 3 & 4 Schedule

Tues. /Wed.  Feb. 6 & 7, 2018	20 days  (skinny)	<b>Kinetics</b>  <b>(Ch. 5 &amp; 19)</b>	<ul style="list-style-type: none"> <li>✓ Instantaneous rate vs. average rate</li> <li>✓ Determining order from graphs</li> <li>✓ Determining order from rate tables</li> <li>✓ Finding the rate of "A" in terms of "B".</li> <li>✓ Writing rate laws</li> <li>✓ Using rate equations in calculations</li> <li>✓ Using integrated rate equations in calculations.</li> <li>✓ Activation energy</li> <li>✓ Finding units for rate constants</li> <li>✓ First order half life calculations</li> <li>✓ Using Arrhenius equation qualitatively</li> <li>✓ Collision theory and Boltzmann distributions</li> </ul>
Tues./Wed.  March 6 & 7, 2018	17 days (skinny)	<b>Electrochemistry</b>  <b>(Ch. 20)</b>	<ul style="list-style-type: none"> <li>✓ Oxidations states, agents, recognizing redox rxns</li> <li>✓ Balancing redox reactions</li> <li>✓ Predicting products of redox reactions</li> <li>✓ Galvanic cells</li> <li>✓ Electrolytic cells</li> <li>✓ Deposition of metals based on current</li> </ul>
March 16	End Quarter 3		
Thurs.  April 4, 2018	18 days (skinny)	<b>Solutions Stoich.</b>  <b>Atoms</b>  <b>Periodicity</b>  <b>Bonding</b>  <b>(Ch. 6-9, 13)</b>	<ul style="list-style-type: none"> <li>✓ Solutions stoichiometry and molarity</li> <li>✓ Qualitative understanding of colligative properties</li> <li>✓ Review CP</li> <li>✓ Frequency, wavelength, EM spectrum</li> <li>✓ Spectroscopy (investigating atomic &amp; mol. structure)</li> <li>✓ Electron configuration</li> <li>✓ Periodic trends (ionization energy diagrams, eff. nuclear charge, shielding)</li> <li>✓ VSEPR, polarity, hybridization, sigma, pi, lone pairs vs. bonded pairs in repulsion</li> <li>✓ Practice writing essays (using correct terms and justifications)</li> </ul>
April 9 & 10, 2018	1 <sup>st</sup> AP practice test, MC only	5 % of the grade for S2	<b>Testing is during class.</b>
April 11- May 4, 2018	Multiple Choice Review Sessions	Review in class.	Possible reviews outside of class, also.
TBA	2 <sup>nd</sup> full AP practice test	30 % of the grade for S2	<b>Testing is outside of class?</b>
Monday  May 7, 2018  8 am	<b>AP Chemistry Exam</b>		
May 8-23, 2017	Post test activities and labs (TBA)  (Seniors' last day – May 9)		