

YEAR 12 CHEMISTRY WORK PLAN: Semester 1, 2017 – Mr Polkinghorne



UNIT	TERM 1 TOPICS	ASSESSMENT	DUE DATE
<p>1 The Acidic Environment</p>	<p>Weeks 1/2 : Acids, bases & indicators. Eg's, Props/equations. Acidic/basic oxides. Molarity. Simple titrations. Calculations. Weeks 3/4/5 : Strong-weak acids/bases. Acid – base theory</p> <p>Weeks 6-9 :pH, H⁺ concentration. Introducing chemical equilibrium Ka Analysis techniques esp. volumetric. Advanced titrimetric analysis investigations and questions.</p> <p>Chemical equilibrium. Le Chatelier's Principle Everyday and industrial applications of equilibrium.</p> <p>Week 10 : Revision</p>	<p>Supervised Assessment – Part A</p>	<p>SA Task 6A Week 7 – Tuesday 7th March</p> <p>SA Task 6B Equilibrium, Week 3, Term 2, Tuesday 2nd May</p>
UNIT	TERM 2 TOPICS	ASSESSMENT	DUE DATE
<p>2 Chemical Equilibrium</p> <p>Cleaning Up – Industrial Processes & the Environment</p>	<p><u>Weeks 1-6</u> EEI The Acidic Environment</p> <p><u>Weeks 7-11</u></p> <p>Begin Cleaning Up Unit 6: Covalent bonding review, shapes of molecules. Polar covalent bonds. Polar molecules, intermolecular forces of attraction, H bonding, solvents, solutes, solutions review. Soaps and Detergents – function and development.</p>	<p>Supervised Assessment – Part B EEI – Extended Experimental Investigation Task – 3 weeks class time. <i>Investigating Acids</i></p> <p>ERT – Extended ResponseTask <i>Cleaning Up – Investigating the chemistry of stain removal</i> 4 weeks total, class time (4 lessons) and own time, teacher monitored, small group, individual reports.</p>	<p>EEI Task 5 given out Friday 21st April –Week 1.</p> <p>EEI DRAFT due Friday Week 6, T2, 26th May EEI Task 5 FINAL due Friday Week 7, T2, 2nd June.</p> <p>ERT Task 7 given Monday Week 7, 29th May *ERT Task 7 draft due Friday 14th July – Week 1 T 3 Final copy ERT Task 7 due Week 2, T3 Friday 21st July*.</p>

This work plan was last updated on Thursday, 1 June 2017. The contents are subject to change – students will be advised in advance of any changes - regularly check for updates.