STUDENT TERM PLANNER **Text: "Exploring Chemistry" (Ch 19, 20)** **TERM 3, 2009**
Lab Manual: Chemistry Lab Manual

Week	Topics and Concepts – Page References	Learning Tasks
13 July **17 July**	**Context: Keeping it All in Balance** **Concepts: Chemical Equilibria Reactions & Acid/Base Reactions** Characteristics of Equilibria & Le Chatelelier's Principle. Monday 13 July - Pupil Free Day Friday 17 - Field Events	1.Worksheets 2.Text: Ch 19 pp. 402-417 3. **Demo. Expt.41: Part A Equilibrium**
20 July **24 July**	Equilibrium Law Calculations (Kc) Tuesday 21 July – 12 QCS Practice Wednesday 22 July – 12 QCS Practice	1.Worksheets 2. pp. 420-429
27 July **31 July**	Equilibrium constants and Le Chatelier's principle. K sp Tuesday 28 July – Parent Teacher Interviews Thursday 30 July – Track Carnival Friday 31 July – – National Chemistry Comp	Text pp. 431-438
3 August **7 August**	Consolidation of Equilibria unit. **Ch 20 Acids & Bases-** 1. Lowry – Bronsted concept 2. Kw 3. Definition of pH and calculations 4. Strengths of Acids and Base solutions Friday 7 August – Maths Competition	1. Text pp.449- 464 2**. Expt. 43: (p.130)** **Acids & Bases: Determination of hydrogen ion conc. using indicators**
10 August **14 August**	1. Equilibrium Constants for ionization of acids (Ka) 2. pKa & Ka 3. pH of weak acid solutions Wednesday 12 August – Show Day Holiday Thursday 13 - Student Free Day	**1. Expt.44: (p.134)** **Acids & Bases: pH of salt solutions** 2. Text: pp.464- 470
17 August **21 August**	1. How to perform Titrations. Use of equipment. pH meters. 2. Titrations of Strong acid & strong base; strong acid &weak base; weak acid & strong base 3. Titration curves 4. Choosing an indicator for a titration. Tuesday 18 August – Musical Day Performance 18th – 21st August (Musical) 21 August – Year 12 Rotation (QCS)	1.**Expt. Titrations** **Strong acid & strong base; strong acid/ weak base; weak acid/strong base.** 2. Text p 470-472
24 August **28 August**	Buffer Solutions & consolidation.	1. Text: 473-475
31 August **4 September**	Revision Tuesday 1 September –QCS Wednesday 2 September – QCS Friday 4 September – Whole school Motivational Media	
7 September **11 September**	Revision and **Exam (120 minutes) - 3 Lessons** **Tuesday 8 September – 12 Chemistry Exam** **Thursday 10 September – 12 Chemistry Exam**	
14 September **18 September**	Introduction to Context: Structure of Materials Up Close.	