



# CHEMISTRY Level 3, CHE 333

## AVONSIDE GIRLS' HIGH SCHOOL

### COURSE STATEMENT 2009

#### LEARNING OUTCOMES

At the conclusion of the course students should be able to:

- To use the language of chemistry to describe, understand and predict chemical behaviour at the molecular level and demonstrate an understanding of the central concepts and patterns appropriate to the study of chemistry at this level.
- To carry out simple qualitative and quantitative investigations to obtain, interpret, and use a range of chemical information.
- To describe the production, properties and uses of groups of related substances and the ways they interact with people and the environment.

#### CONTENT

- Oxidation and Reduction and Electrochemistry
- Atomic Structure and Bonding and Properties of Materials
- Properties and Reactions of Organic Compounds
- Equilibrium including Solubility and Acid Base Equilibria
- Principles of Thermochemistry

#### **Scholarship: Chemistry Performance Standard**

This standard requires candidates to demonstrate an ability to integrate and apply chemical knowledge, principles and skills in a range of situations. The curriculum content is no more than Level 3 Chemistry but students contemplating entering Scholarship Chemistry will need to read widely and be performing at a high level.

#### REASSESSMENT

Unit Standards 8950 and 8949: any necessary re-assessments will be held during class time the week following the initial assessment.

AS 90695 (Redox titration) There will be no re-assessment opportunity in 2009.

Where a reassessment opportunity is offered it will be available to all eligible students regardless of the level of achievement in the first assessment.

#### APPEALS

Any queries about an assessment decision should be made to your class teacher when the assessment is handed back. Any formal appeals should be made, within one week of the assessed work being returned, to Teacher-in-Charge of Chemistry, Mrs M Daines or to the Principal's Nominee, Ms M Lynch (Term 1) or Mrs P Butler (Term 2 onwards). Work done in pencil or which has 'white-out' corrections cannot be reconsidered for appeals. Appeals need to be made within one school week of receiving a result.

## STUDENT ASSESSMENT RECORD SHEET

<b>INTERNAL</b>	<b>ASSESSMENT DATE</b>	<b>GRADE</b>	<b>CREDITS GAINED</b>
<b>AS 90695 (V2)                      2 Credits</b> <b>Practical assessment</b> Determine the composition of an oxidant or reductant by titration	<b>23 – 27 March</b>		
<b>US 8950 (V3)</b> <b>Written assessment 2 Credits</b> Predict the formation of precipitates of sparingly soluble substances	<b>11 – 15 May</b>		
<b>US 8949 (V3)                      4 Credits</b> <b>Written assessment</b> Characterise the composition of acid and base solutions	<b>23 – 27 June</b>		

<b>EXTERNAL</b>	<b>END-OF-TOPIC TEST</b>	<b>SCHOOL EXAM</b>
<b>AS 90696 (V2)                      3 Credits</b> Describe oxidation-reduction processes		
<b>AS 90780 (V1)                      5 Credits</b> Describe properties of particles and thermochemical principles.		
<b>AS 90698 (V2)                      5 Credits</b> Describe aspects of organic chemistry		