

Course: Chemistry		Course No: 11050	
2 units for each of Year 11 and HSC Board Developed Course		Exclusions: Nil	
<p>Course Description</p> <p>The Year 11 course develops the knowledge, understanding and skills in relation to the properties and structures of matter, the types and drivers of chemical reactions and how we measure the quantities involved in these processes.</p> <p>The Year 12 course builds on the concepts introduced in Year 11 by examining particular classes of chemicals, processes and a variety of chemical reactions which incorporate organic compounds and acid/base equilibrium reactions. The course challenges students to apply this knowledge to the investigation of a range of methods used in identifying and measuring quantities of chemicals which leads to an understanding of the structure, properties and trends of and between classes of chemicals.</p>			
<p>Topics Covered</p> <p>Year 11 The Year 11 course consists of four modules. Module 1 Properties and Structure of Matter Module 2 Introduction to Quantitative Chemistry Module 3 Reactive Chemistry Module 4 Drivers of Reactions</p> <p>Year 12 The Year 12 course consists of four modules. Module 5 Equilibrium and Acid Reactions Module 6 Acid/base Reactions Module 7 Organic Chemistry Module 8 Applying Chemical Ideas</p>			
<p>Particular Course Requirements</p> <p>Students are provided with 15 hours of course time for depth studies in both Year 11 and Year 12. During this time students may undertake an investigation/activity that allows for the further development of one or more scientific concepts. A depth study may be one investigation/activity or a series of investigations/activities. Depth studies may be included in one module or across several modules.</p> <p>Practical investigations are an essential part of the Year 11 and Year 12 courses and must occupy a minimum of 35 hours of course time each year.</p>			
Assessment: HSC course only			
External Assessment	Weighting	Internal Assessment	Weighting
A single HSC Examination Duration – 3hr Content of the Examination – The Year 11 course is assumed knowledge for the Year 12 course.	100	A variety of tasks that will be weighted as follows: Skills in working scientifically Knowledge & Understanding of course content	60 40
	100		100

Subject Fee: \$15