

Course: Physics		Course No: 11310	
2 units for each of Year 11 and HSC Board Developed Course		Exclusions: Nil	
Course Description The Year 11 course develops student's knowledge, understanding and skills relevant to the study of motion, how we describe it and what causes it. The course also examines energy in its different forms and how we describe and measure electricity and magnetism and their interrelated effects. The Year 12 course provides avenues for students to apply the concepts they were introduced to in Year 11 to motion in two dimensions, electromagnetism, theories of light, the atom and the Universe.			
Topics Covered			
Year 11 The Year 11 course consists of four modules. Module 1 Kinematics Module 2 Dynamics Module 3 Waves and Thermodynamics Module 4 Electricity and Magnetism			
Year 12 The Year 12 course consists of four modules. Module 5 Advanced Mechanics Module 6 Electromagnetism Module 7 The Nature of Light Module 8 From the Universe to the Atom			
Particular Course Requirements 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. 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.			
Assessment: HSC course only			
External Assessment		Internal Assessment	
Weighting		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