



INCOMPATIBLE SUBJECTS	NIL	DEPENDENT SUBJECTS	Mathematical Methods General English
PRE-REQUISITE SUBJECTS	Year 10 Physics & Chemistry – B Year 10 English – B Year 10 Mathematics - B	POTENTIAL QCE POINTS	4
COURSE DURATION	TWO YEARS	CONTRIBUTES TO ATAR	YES
FINANCIAL COMMITMENT	REFER TO SRS & SUBJECT FEE SCHEDULE	SUBJECT PATHWAY	GENERAL
COURSE REQUIREMENTS	Textbook: New Century Physics: Units 1 & 2 and New Century Physics: Units 3 & 4 Classroom materials are provided through participation of the School Fees:		

COURSE CONTENT

By the conclusion of the course of study, students will be able to describe and explain scientific concepts, theories, models and systems and their limitations. Students will analyse evidence, interpret evidence, investigate phenomena, evaluate processes, claims and conclusions and communicate understandings, findings, arguments and conclusions. In Units 3 and 4 students complete four summative assessments. The results from each of the assessments are added together to provide a subject score out of 100. Students also receive a grade from A-E via the school reporting framework.

UNIT 1	ASSESSMENT
Topic 1: Heating Processes Topic 2: Ionising Radiation and Nuclear Reactions Topic 3: Electrical Circuits	Data Test Research Assignment
UNIT 2	ASSESSMENT
Topic 1: Linear Motion and Force Topic 2: Waves	Student Experiment End of Unit 2 exam
UNIT 3	ASSESSMENT
Topic 1: Gravity and Motion Topic 2: Electromagnetism	IA1 Data Test (10%) IA2 Student Experiment (20%)
UNIT 4	ASSESSMENT
Topic 1: Special Relativity Topic 2: Quantum Theory Topic 3: The Standard Model	IA3 Research Assignment (20%) Combined Unit 3 & 4 external exam (50%)

CAREER PATHWAYS

Physics is a General subject suited to students who are interested in pathways beyond school that lead to tertiary studies, vocational education or work.

A course of study in Physics can establish a basis for further education and employment in the fields of science, engineering, medicine and technology.