

INCOMPATIBLE SUBJECTS		DEPENDENT SUBJECTS	GENERAL ENGLISH MATHEMATICAL METHODS
PRE REQUISITE SUBJECTS	10 SCIENCE EXPLORATION – B YR 10 MATHEMATICS – B OR YR 10 EXTENSION MATHEMATICS - C	POTENTIAL QCE POINTS	4
FINANCIAL COMMITMENT	COVERED UNDER THE STUDENT RESOURCE SCHEME	CONTRIBUTES TO ATAR	YES

COURSE CONTENT

UNIT 1	UNIT 2	UNIT 3	UNIT 4
Topic 1: Heating Processes Topic 2: Ionising Radiation and Nuclear Reactions Topic 3: Electrical Circuits	Topic 1: Linear Motion and Force Topic 2: Waves	Topic 1: Gravity and Motion Topic 2: Electromagnetism	Topic 1: Special Relativity Topic 2: Quantum Theory Topic 3: The Standard Model
ASSESSMENT	ASSESSMENT	SUMMATIVE ASSESSMENT	SUMMATIVE ASSESSMENT
Data Test Research Assignment	Student Experiment End of Unit 2 exam	Data Test Student Experiment	Research Assignment, Combined Unit 3 & 4 external exam

COURSE REQUIREMENTS

Science *Exploration* is a suggested pre-requisite for the subject. Students are also encouraged to take Mathematical Methods or General Mathematics in year 11 and 12 as well as mainstream English.

Textbook: Nelson QScience: Physics Unit 1 & 2
Nelson QScience: Physics Unit 3 & 4

Materials for classroom activities:

- Photocopied class notes
- Analytical glassware: beakers, test tubes, stirring rods, measuring cylinders, watch glasses, volumetric glassware, distillation, conical flasks, burettes and pipettes
- Various chemicals
- Data loggers and probes
- Safety equipment – safety goggles
- Equipment: Bunsen burner, tripods, test tube racks, metal stands, clamps and spatulas
- Electronic balance

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.

REAL PEOPLE TALKING ABOUT PHYSICS

