

YEAR ELEVEN APPLIED SCIENCE
UNIT/ACHIEVEMENT STANDARDS COURSE 2009 -
COURSE OUTLINE

The course you will cover this year will be made up from two parts; a core made from some Level 1 Unit Standards and an internally assessed Level 1 Achievement Standard practical test, followed by the balance made from a selection of Unit Standards to be decided upon later in the year.

You should be able to achieve up to 20 credits (possibly 22 depending on time available) including 2 credits of Interpretation Skills, 2 credits of Practical Exam skills and 4 credits of Practical Investigation.

STANDARD NUMBER	DESCRIPTION	CREDITS
US 18986	<u>Select Appropriate Equipment and use correctly</u> – select and use appropriate basic scientific equipment and use in a safe manner.	2
US 18988	<u>Interpretation of Science information</u> – appraise source documents, draw conclusions from a variety of types of written information, tabulate data, graph data .	2
AS 90186	<u>Carry out a Practical Science Investigation with direction</u> – design an investigation, with direction, to examine the behaviour of an everyday occurrence.	4
US 18969	<u>Body Maintenance</u> – describe characteristics of living things, function of key organs, role and structure of organ systems	2
US 18989	<u>Earth and Space</u> – describe and explain day length , year length, seasons, tides, moon phases, interpret information about the solar system, life cycles of stars.	2
US 18982	<u>Earth Science</u> – describe the structure of the Earth, the formation of rocks, the breakdown of rocks, properties of rocks and minerals.	2
US 18977	<u>Electricity at Home and at Work</u> – describe electric current, electrical circuits, safe practice when using electricity, generation of electricity, identify power ratings to calculate running costs.	2
US 18975	<u>Sports Science</u> – describe changes that occur due to exercise, the structure of the skeletal muscular system, forces and their effect in sport, simple work problems in a sport context.	2

The balance of Unit Standards covered will be chosen from the following later in the year ; -

US 18970	<u>Ecology</u> – demonstrate knowledge of adaptations and relationships in a biological community.	2
US 18980	<u>Waves, Sound and Light</u> – describe waves in terms of their properties, functioning of the ear and eye, reflection and refraction of waves, noise pollution.	2
US 18973	<u>Matter, Chemical patterns</u> – describe types of matter, methods used to separate substances in a mixture, simple model of the atom, metals and non-metals.	2
US 18972	<u>Fuels and Energy</u> – describe sources, transference and uses of energy.	2