

**YEAR ELEVEN APPLIED SCIENCE**  
**UNIT STANDARDS COURSE 2008 - COURSE OUTLINE**

The course you will cover this year will be assessed using Level 1 Unit Standards. You will be able to achieve up to 20 credits (possibly 22 depending on time available) from this course which includes 2 credits of Interpretation Skills and 2 credits of Practical Exam skills.

<b>STANDARD NUMBER</b>	<b>DESCRIPTION</b>	<b>CREDITS</b>
18969	<b><u>Body Maintenance</u></b> – describe characteristics of living things, function of key organs, role and structure of organ systems	2
18971	<b><u>Reproduction</u></b> – describe cells, plant or animal reproduction, the function of genetic material in inheritance , predict the outcome of a given monohybrid cross.	
18972	<b><u>Fuels and Energy</u></b> – describe renewable/non-renewable sources of energy, fossil fuel formation, energy transformations.	
18973	<b><u>Matter</u></b> – describe nature of atoms, elements, compounds, mixtures, periodic table, metals, separation techniques.	
18976	<b><u>The Car</u></b> – describe the function of the main parts of a vehicle, solve simple speed problems, factors affecting stopping distance.	
18977	<b><u>Electricity at Home and at Work</u></b> – describe electric current, electrical circuits, safe practice when using electricity, generation of electricity, identify power ratings to calculate running costs.	
18980	<b><u>Waves, Sound and Light</u></b> – describe waves in terms of their properties, functioning of the ear and eye, reflection and refraction of waves, noise pollution.	
18989	<b><u>Earth and Space</u></b> – describe and explain day length , year length, seasons, tides, moon phases, interpret information about the solar system, life cycles of stars.	
18988	<b><u>Interpretation of Science information</u></b> – appraise source documents, draw conclusions from a variety of types of written information, tabulate data, graph data .	
18986	<b><u>Select Appropriate Equipment and use correctly</u></b> – select and use appropriate basic scientific equipment and use in a safe manner.	

PLEASE NOTE – some of the Unit Standards covered may differ from those mentioned above according to overall student preference.