CABOOLTURE STATE HIGH SCHOOL

Making the difference today ... for tomorrow

YEAR 8

SCIENCE

DURATION OF SUBJECT	FULL YEAR
FINANCIAL COMMITTMENT	REFER TO FEE SCHEDULE
COURSE REQUIREMENTS	The **STUDENT RESOURCE SCHEME** offers students the use of Microscopes and Science Text Books, as required, and materials for classroom activities, such as photocopied class notes; experimental equipment and chemicals and safety equipment – aprons and safety goggles.

COURSE CONTENT

UNIT 1	ASSESSMENT
CHEMISTRY | ATOMS OF THE WORLD Chemicals, compounds, states of matter, particle model. compare physical and chemical changes and use the particle model to explain and predict the properties and behaviours of substances.	Experimental Investigation
UNIT 2	**ASSESSMENT**
EARTH SCIENCE | DIGGING FOR GOLD Explore different types of rocks and the minerals of which they are composed. They compare the different processes and timescales involved in their formation as part of the rock cycle. Students construct and interpret models and representations to aid in the analysis of patterns and interrelationships in data.	Research Investigation
UNIT 3	**ASSESSMENT**
BIOLOGY | LET'S GET PRACTICAL Identify cells as the basic units of living things. They will use microscopes and images to distinguish between multicellular and unicellular organisms. Preparation of wet mount slides including correctly constructing biological drawings from microscopic observations. Comparisons of plant and animal cells and the relationship between the structure and function of specialised plant and animal cells, including reproductive cells. Compare the reproductive strategies of various living organisms.	Exam
UNIT 4	**ASSESSMENT**
PHYSICS | THINGS ARE HEATING UP Classify different forms of energy, and describe the role of energy in causing change in systems. Students use experimentation to isolate relationships between components in systems and explain these relationships through increasingly complex representations. They make predictions and propose explanations, drawing on evidence to support their views while considering other points of view.	Experimental Investigation

CAREER PATHWAYS

Engineer, Oceanographer, Electrician, Radio Technician, Architect, Environmental Health Officer, Hydrologist, Physicist, Lab Technician, Dentist, Optometrist, Doctor, Audiologist, Agricultural Scientist, Taxidermist, Science Teacher, Metallurgist, Chemist, Forensic Scientist, Forest Ranger, Pathologist, Radiographer Bacteriologist, Dietician, Zoologist, Veterinarian, Mineralogist.