



INCOMPATIBLE SUBJECTS	NIL	DEPENDENT SUBJECTS	NIL
PRE-REQUISITE SUBJECTS	NIL	POTENTIAL QCE POINTS	4
COURSE DURATION	TWO YEARS	CONTRIBUTES TO ATAR Only 1 Applied subject will contribute to an ATAR, if studied with 4 General subjects.	YES
FINANCIAL COMMITMENT	REFER TO SRS & SUBJECT FEE SCHEDULE	SUBJECT PATHWAY	APPLIED
COURSE REQUIREMENTS	<p>Science in Practice is an Applied Senior Science subject. It provides opportunities for students to explore, experience and learn concepts and practical skills valued in multidisciplinary science, workplaces and other settings. Learning in Science in Practice involves creative and critical thinking; systematically accessing, capturing and analysing information, including primary and secondary data; and using digital technologies to undertake research, evaluate information and present data.</p> <p>Science in Practice students apply scientific knowledge and skills in situations to produce practical outcomes. It is a practical subject with experiments and hands-on investigations. These activities engage students as well as develop a deeper understanding of the nature of science and problem-solving skills.</p>		
COURSE CONTENT			
UNIT 1 - Forensic Science			ASSESSMENT
Students explore scientific processes used in the field of forensic science and execute relevant procedures, such as fingerprinting, casting and blood typing. Students collect, preserve and analyse evidence. They develop skills in observation, planning, data collection and data analysis of simulated crime scenes.			Applied investigation Practical project
UNIT 2 - Consumer Science			ASSESSMENT
Students develop an understanding of the role and impact of biology and chemistry in the development, use and disposal of products. They learn about microbes in food, including types of microorganisms and the environmental conditions that affect their growth. They plan modifications of environmental conditions to comment on the changes to food preservation and spoilage.			Applied investigation Practical project
UNIT 3 - Ecology			ASSESSMENT
Students examine the ecology of a selected species or group of organisms and their interactions with their environments. Students test and determine factors in the ecosystem through water management. Students plan a field trip and collect, analyse and interpret data.			Applied investigation Practical project
UNIT 4 - Disease			ASSESSMENT
Students explain why the numbers of people being diagnosed with diseases are increasing. They explore disease types and causes. Students learn that scientific advances can provide solutions to health and lifestyle challenges			Applied investigation Practical project
CAREER PATHWAYS			
A course of study in Science in Practice is inclusive and caters for a wide range of students with a variety of backgrounds, interests and career aspirations. It can establish a basis for further education and employment in many fields, e.g.- Animal Welfare, Food Technology, Forensics, Health and Medicine, Pharmaceutical Industry, Recreation and Tourism, Research, The Resources Sector			
FIND OUT MORE			
QCAA SUBJECTS	https://www.qcaa.qld.edu.au/downloads/senior-qce/syllabuses/snr_science_prac_24_app_syll.pdf		
TRAINING PROVIDER CABOOLTURE STATE HIGH SCHOOL NATIONAL PROVIDER NUMBER 7061			
http://training.gov.au - Please refer to the training.gov.au website for specific information about the qualification. Students must achieve competency in each unit of competency to be issued with a full certificate at the completion of this course. If students do not achieve the full certificate, a statement of attainment will be issued detailing the competencies completed. Units of competency are correct at time of printing. In the event of changes to training packages, these will be made by ASQA. Students will be notified and Caboolture SHS will ensure students are transitioned to new units of competency as required by QCAA and ASQA.			
<i>Disclaimer: Caboolture SHS must have suitable teachers and equipment to run this course. If the school loses access to these resources, the school will attempt to provide students with alternative opportunities to complete the course and the related qualifications. The school retains the right to change or cancel the vocational component of the course if it is unable to meet requirements.</i>			