



DURATION OF SUBJECT	One Semester
FINANCIAL COMMITMENT	REFER TO PROPOSED FEE SCHEDULE
COURSE REQUIREMENTS	
Parental permission is required for high or extreme risk activities.	
COURSE OVERVIEW	
<p>Computer Aided Design CAD focuses on the underpinning industry practices and production processes required to create, manipulate and produce graphical products in the engineering and construction industry.</p> <p>Students understand industry practices, interpret specifications, including technical information and drawings, demonstrate and apply CAD production processes, communicate using oral, written and graphical modes. Organise, calculate and plan production processes and evaluate the products they create using predefined specifications. Produce handmade, 3D printed and Laser cut models.</p> <p>Students develop transferable skills by engaging in production tasks that relate to business and industry, and that promote adaptable, competent, self-motivated and safe individuals who can work with colleagues to solve problems and complete practical work.</p> <p>Students learn about and experience design through exploring needs, wants and opportunities; developing ideas and design concepts; using drawing and low-fidelity prototyping skills; and evaluating ideas and design concepts. They communicate design proposals to suit different audiences.</p>	
COURSE CONTENT	
UNIT 1	ASSESSMENT
Letter Blocks and Maze	2D - sketching, Extrusion- 3D, Constraining – assembling. Accurate use of measurement and drafting skills to produce machine parts.
UNIT 2	ASSESSMENT
House	Creation of a single level house to required specifications. Including sketches and inventor drawings.
CAREER PATHWAYS	
<p>A course of study in Computer Aided Drafting and Design (CADD) can establish a basis for further education and employment in engineering and construction industries. With additional training and experience, potential employment opportunities may be found, for example, as a Draftsman, CAD Designer, CNC operator and Graphic Designer. This will also be a great foundation for Architectural, Landscape Design and Industrial design careers.</p>	
FIND OUT MORE	
<p> Graphics Industry</p> <p> Construction Skills Queensland</p> <p> Ai Group - Apprenticeships and Traineeships</p> <p> Housing Industry Australia</p>	

