



*Exceed all Expectations*

# Corinda State High School Design & the Built Environment



**RACQ**

technology challenge

MARYBOROUGH

(CRICOS Number 00608A)

Provider: Department of Education, Training  
and Employment

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## RATIONALE

Corinda State High School prides itself on providing learning pathways which allow students to pursue courses of study which support their academic goals. Our commitment to this philosophy has led to the implementation of the Design and Built Environment program to support the development of special interests and provide a rigorous and challenging platform for real world issues.

Students who study DBE will experience learning above and beyond these curriculum frameworks. This is described in further detail below.

The Design and the Built Environment (DBE) Program gives Year 8 and 9 students the opportunity to undertake a challenging and highly enriching program in the Industrial Technology and Design Department.

The program is designed for creative and imaginative young minds who have a passion or flare for architecture, engineering, product design, sustainability, sketching and 3D modelling software. This program incorporates the use of state of the art technology, including 3D printers which allow the students to quickly realise their innovative ideas.

## AIMS

The Design & the Built Environment Excellence program aims to:

- Develop strategic thinking, practical problem solving, informative analysis, creative thinking and project management skills in students;
- Provide high level, rigorous and tailored learning to motivated students who are talented critical and creative thinkers;
- Motivate and encourage students to reflect on world issues at a sophisticated level;
- engage students in competition and enrichment programs beyond the school curriculum
- Provide a pathway to professions such as Architecture, Engineering, and Industrial Design.

## PROGRAM INFORMATION

### ENTRY REQUIREMENTS

To be eligible for participation in DBE Excellence program, applicants must indicate their preference for this program at enrolment. An ideal applicant for this program will:

- have a high achievement in Math's and English in Year 7
- have high level of proficiency in literacy and numeracy (NAPLAN results reviewed by Junior Secondary HOD)
- willing to commit personal time to competitions and other elective programs.
- have the capacity to meet course costs
- be prepared to embrace the three Cs of Corinda SHS – courtesy, cooperation and commitment.



### PROGRAM OVERVIEW

DBE is an elective subject students are able to choose and must commit to for two years (year 8-9). Year 8 DBE is focused towards establishing a safe and harmonious work environment. Students will be exposed to appropriate and safe application of workshop practices, tools, machines and processes. This is to foster confidence in entering into the higher order thinking processes of decision making in the design process in year 9. The program engages students by responding to real-world problems using a design process. Students examine and investigate design problems through understanding and analysing design factors which include technological knowledge and conceptual understandings. Students apply design factors to develop ideas and produce products along with having exposure to the latest technology such as 3D printers and 3D modelling software. Students will also be exposed to many of the traditional hand skills and processes, which provide students with appropriate foundational knowledge when manipulating materials to produce their ideas. Products are made by students to confirm that their ideas have solved the design problem. Students complete the design process by critically evaluating their ideas and products in response to the original design problem.

## ASSESSMENT AND REPORTING

The Design and the Built Environment program will adhere to the requirements of the Australian Curriculum: Technology. Students will be assessed according to the requirements of this syllabus on a semester basis.

Participation in the class will not disadvantage students' results by assessing them against a standard beyond that of their peers.

## PATHWAYS

Students graduating these classes at the end of Year 9 may also be eligible to continue on this extension pathway if they study the Year 10 elective – Design and the Built Environment. This subject is an invitation only subject offered to our highest performing Year 9 students. This Year 10 elective is designed to accelerate learning into Year 11 OP subjects Graphics, Technology Studies and Certificate 2 in Sustainable Energy.

## COSTS

Course fees for Year 8 and 9 will apply to DBE Excellence class students.

## PARTICIPATION REQUIREMENTS

Throughout the year, students will be required to participate in competitions and excursions that may attract an additional cost. Students may be expected to participate in any number of the following competitions:

- Maryborough Technology Challenge; *Note: Students are not expected to travel to Maryborough.*
- Willowbank Pedal prix.
- HIA Build and Renovate School Competition
- Tertiary Institutions Design Based Competitions or Workshops

Given the design based nature of the subject, students at times require material the school does not typically keep stock off. For students to realise (produce) their design proposal they may at times need to source their own material requirements through their parent/caretaker.

### Safety

Students participate in a workshop classroom environment that poses higher risks than your typical classroom environment. Therefore student behaviour that puts themselves or others at risk will not be tolerated and likely result in the student being removed from the subject for the safety and well-being of all students.

## EXPERT STAFF

Learning takes place in a modern workshop and computer lab environment working with like-minded teachers who are passionate about exploring the relationship between design and society in order for students to become informed, responsible and responsive designers.

## CONTACT DETAILS

For further information concerning Corinda State High School's DBE Excellence program please contact:

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