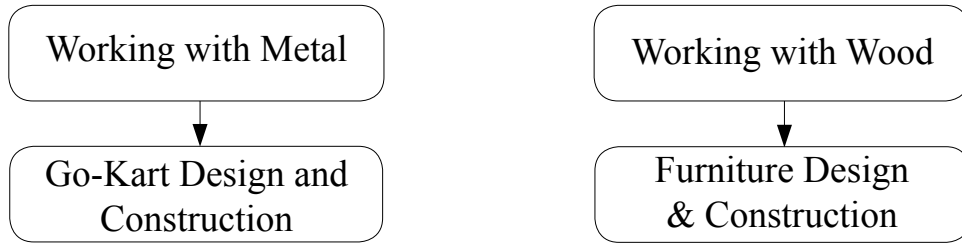


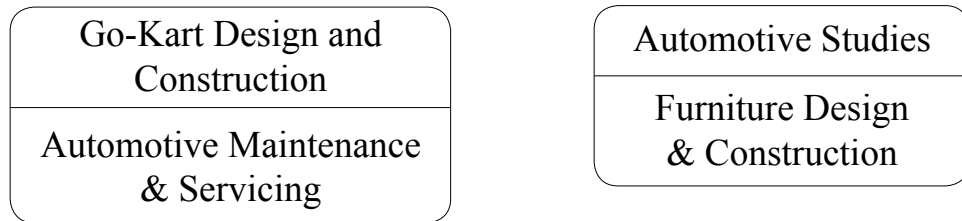
Technology Studies

YEAR 10

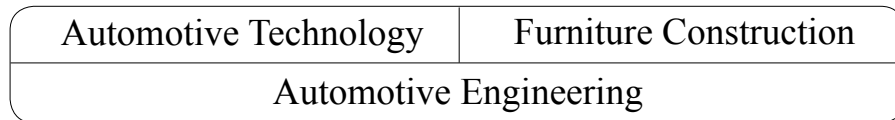


**STAGE 1
Semester 1**

**STAGE 1
Semester 2**



STAGE 2

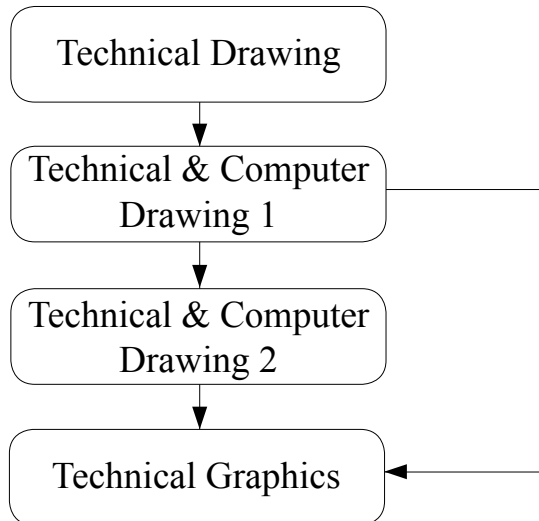


YEAR 10

**STAGE 1
Semester 1**

**STAGE 1
Semester 2**

STAGE 2

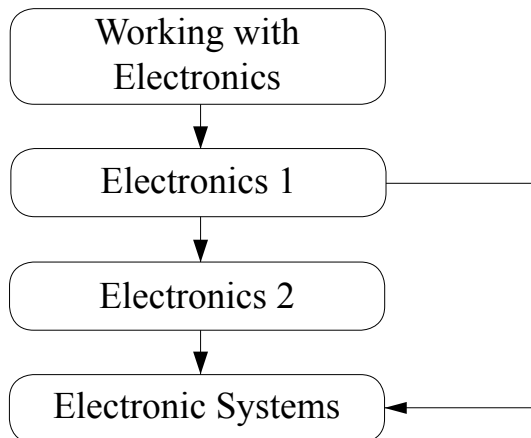


YEAR 10


**STAGE 1
Semester 1**

**STAGE 1
Semester 2**

STAGE 2



N.B. If students wish to achieve a Tertiary Entrance Rank (TER), used for entrance into interstate universities, they may study no more than 2 units or 1 full year subject of Technology (this includes Movie Making Technology) in Stage 2.



Casuarina Senior College aims to provide an outstanding education and quality outcomes for all students through the provision of rich learning experiences and a varied curriculum designed to maximise student engagement.

Students are able to access all subjects without incurring tuition costs. A number of subjects also offer extended learning experiences which are optional and for which the College Council will seek the reimbursement of associated costs from parents of participating students. Examples include additional materials, excursions, etc. Indicative reimbursement costs for subjects containing extra-curricula activities are identified throughout the handbook by an asterisk (*).

For further information please contact the College on 8920 1211.

Working with Wood

Subject Description

This course will enable students to acquire the skills needed to produce small timber products. The major emphasis is on the safe use of hand and machine tools to manipulate timber in a variety of forms. This course is for students who enjoy working with their hands and will lead onto further studies at Stage 1.

Content

- Designing and Planning with Timber
- Safety
- Material Preparation
- Cutting and Shaping
- Joining
- Finishing

Assessment Components

- Design Task
- Research Assignment
- Practical Projects
- Test

Subject Length
1 x semester

Subject Offered
Semester 1 & 2

Working with Metal

Subject Description

This course will enable students to acquire the skills needed to produce small metal products. The major emphasis is on the safe use of hand and machine tools to manipulate metal in a variety of forms. This course is for students who enjoy working with their hands and will lead onto further studies at Stage 1.

Content

- Designing and Planning with Metal
- Safety
- Marking Off, Measuring and Cutting
- Using Machine Tools - Lathe
- Drilling
- Joining Metals - Welding

Assessment Components

- Design Task
- Research Assignment
- Practical Projects
- Test

Subject Length
1 x semester

Subject Offered
Semester 1 & 2

Code

D&T011
D&T012 (Semester 2)

*\$30

Prerequisite

No prerequisite.

Code

D&T021
D&T022 (Semester 2)

*\$30

Prerequisite

No prerequisite.

technology studies Year 10

Technical Drawing

Subject Description

This course is designed for students who need to understand how to read and draw plans that are used in industry. This course should be studied by students who are thinking of working in the areas of engineering, fabricating, automotive, woodworking, building or general designing.

Content

- Freehand Sketching Techniques
- Geometric Construction
- Orthogonal Projection
- Pictorial Projection
- Dimensioning
- Computer Aided Drawing (CAD)

Assessment Components

- Folio of completed drawings
- Test Exercises

Subject Length

1 x semester

Subject Offered

Semester 1 & 2

Working with Electronics

Subject Description

This course will allow students to develop both practical skills and electronic knowledge that will enable them to build and modify an electronic project. The emphasis will be on soldering and construction of electronic projects. This course is a suitable preparation for students who will undertake further studies in this area at Stages 1 & 2 or in the Electrotechnology VET course.

Content

Production of electronic circuits:

- Soldering components using Vero and printed circuit boards
- The selection and recognition of electronic components
- Resistor colour codes
- Understanding basic electronic schematic diagrams
- Safety

Assessment Components

- Practical Skill tests
- Recognition of electronic components
- Production of projects
- Electrical Theory Tests

Subject Length

1 x semester

Subject Offered

Semester 1 & 2

Code

D&T061

D&T062 (Semester 2)

*Students may purchase own drawing equipment.

Prerequisite

No prerequisite.

Code

D&T051

D&T052 (Semester 2)

*\$40

Prerequisite

To be able to take directions in a workshop situation.