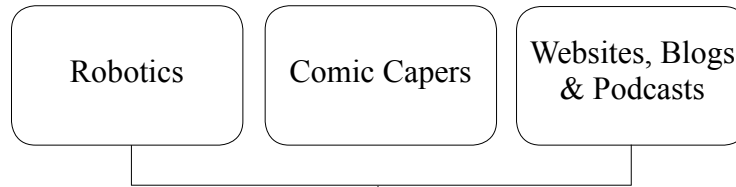
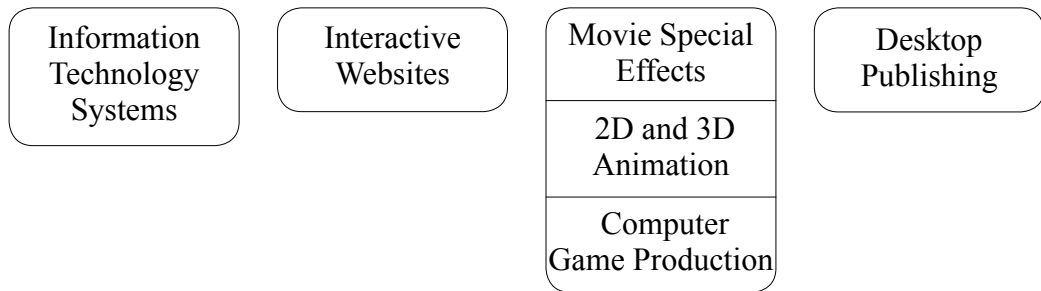


# Information Technology

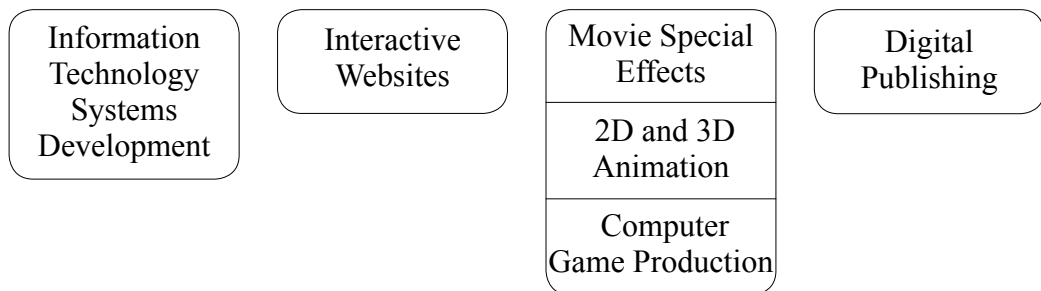
**YEAR 10**



**STAGE 1  
Semester 1**




**STAGE 1  
Semester 2**



**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.

## Robotics/Mechatronics

### Subject Description

This course is aimed at equipping students with a set of core IT skills and giving them a solid foundation to commence Stage 1 Information Technology Systems and Interactive Web classes. Class work will be a mixture of practical and theory content, with an emphasis on critical thinking, problem solving, practical skills, class discussion, and debate.

### Content

The course will examine basic Information Technology concepts involving Robots and Mechatronics and the impact of computers on everyday life. Students will also be introduced to the fundamentals of the Systems Development Life Cycle, which they will use to develop a computing systems or computer program.

An emphasis will be placed on good design and development practices.

### Assessment

- Practical Skills 70%
- Research assignment/Theory 30%

**Subject Length**  
1 x semester

**Subject Offered**  
Semester 1 & 2

## Websites, Blogs and Podcasts

### Subject Description

This course focuses on the creation of websites, blogs and podcasts and leads on from the Games LANS – Understanding Networks. The course introduces the student to the software and hardware required to develop these skills. Students wanting to go onto IT Systems in Stage 1.

### Content

Students will be introduced to a variety of software and hardware to develop websites, blogs and podcasts. They will research some of the social and personal issues related to publishing these systems.

Students will be able to publish their work a private intranet for evaluation.

### Assessment

- Practical Skills 70%
- Research assignment/Theory 30%

**Subject Length**  
1 x semester

**Subject Offered**  
Semester 1 & 2

**Code**  
D&T 071  
D&T 072 (Semester 2)

\*\$20

**Prerequisite**  
No prerequisite.

**Code**  
D&T 091  
D&T 092 (Semester 2)

\*\$20

**Prerequisite**  
No prerequisite.

# information technology

## Year 10

### **Comic Capers**

#### **Subject Description**

This computing stream is based on activities which incorporate portable generic computer skills specialising in comic creation.

#### **Content**

Students will be introduced to a variety of software and hardware to develop story boards and make cartoons and comics. They will research some of the different types of styles used in cartooning and comic production.

#### **Assessment**

- Practical Skills 70%
- Research assignment/Theory 30%

#### **Code**

D&T 081

D&T 082 (Semester 2)

\*\$20

#### **Prerequisite**

No prerequisite.

#### **Subject Length**

1 x semester

#### **Subject Offered**

Semester 1 & 2