



**2018**

*Year 9*

# Course Selection Handbook

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## Year 9 Curriculum

All students in lower school at Comet Bay College study Mathematics, English, Science, Humanities and Social Sciences, and Health and Physical Education.

In Year 9, students continue compulsory enrolments in Physical Education, Health and Well Being, and Careers program, however, they are able to select 2 options in which to specialise. The options are to be selected from the following Learning Areas:

- Health and Physical Education
- The Arts
- Technology and Enterprise
  - Home Economics
  - Design and Technology
- Information and Communication Technology
- Others

It is strongly recommended that students select options in which they have an interest, wish to pursue as a career or future studies, and have a particular strength in.

Some courses offered in Years 9 and 10 will lead to Certificate II qualifications, General courses or ATAR courses, respectively, this information is indicated in the tables provided at the conclusion of each Learning Area within this handbook.

### Supporting Notes:

- *As the option areas are non-compulsory they incur specific fees, only when the fees for a course have been paid is a student's place in that course guaranteed.*
- *Where an optional course requires additional materials to be consumed by the student, the Compulsory Charge must be paid to cover the cost of those consumables (e.g. food ingredients, fabric, external tuition / venue hire etc.). The cost of courses should be considered in the selection process.*
- *The college will endeavour to provide the first option whenever possible, however the reserve choice may be provided and this selection should also be carefully made.*
- *All these choices will be offered, however only those that have a viable number of students will actually run in 2018.*

*We work very hard to ensure a high level of accuracy is maintained in the generation of our Course Selection Handbooks; however anomalies do occur from time to time. Occasionally, changes to course details may be necessary due to circumstances beyond our control.*

## Health and Physical Education

All students must participate in Health Education and General Physical Education throughout Years 7 to 10.

The Development Programs are available via selection trials only. If places become available at the end of each term, students will be selected on the basis of their demonstrated ability and commitment to the particular area of study.

### Australian Football Specialist Program (9FOOT)

Charge \$220

The Comet Bay College Australian Football Specialist Program is designed to be a consistent learning program over Years 7 to 12. This program is designed to provide students with ongoing development in the skills and attributes needed to play Australian Rules Football at the highest level. Students will be exposed to specialist coaching and will study and practise offensive and defensive skills, the advance strategies and tactics and work towards the level of conditioning required, while practising both umpiring and coaching roles.

Students will focus on goal setting and will have regular individual reviews to assess their development within the program with assistance given to reach each selected goal.

The Comet Bay College Australian Football Specialist Program will invite talented players to participate each year.

#### **NOTE:**

Additional optional costs may be required to cover training camps and touring matches. A pre-season camp is normally held each year which may cost up to \$150. These will appear on the Additional Extra Cost Options table provided within the 2018 Voluntary Contributions and Charges Handbook, disseminated to families in December 2017 for the 2018 Academic Year.

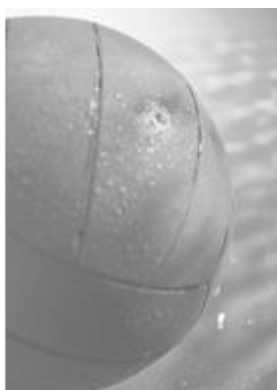
### All Girls AFL (9AGAFL)

Charge \$50

Female AFL Football is a great way for girls and women to make friends keep active and learn new skills.

Female AFL Football continues to grow at a rapid rate, meaning accessing a single gender team locally is easier than ever and this Comet Bay College program is designed for girls in year 8, 9 and 10 with an interest in AFL Football to participate in an all girl class with specialist female coaches accessing equipment and expertise from the Australian Football Specialist Program at the college.

The participation pathway provides opportunities to players of all skill levels and includes exciting new talent development opportunities.



## **Basketball Extension Program (9BASEX)**

**Charge \$50**

*This program is designed for the Basketball player that is looking to improve all aspects of their complete game. The program will work on all aspects of the sport with skill, tactical, game-play and fitness elements being the key focus.*

## **Outdoor Education (9OUT)**

**Charge \$150**

### **Prerequisites:**

- Entry to this program requires participants to be able to swim 100 metres unassisted, and to float and tread water for at least 3 minutes.**

*This program is designed to develop competence in dealing with the natural environment in a safe manner. Classes will include theory sessions which prepare the student to interact with the environment with minimum impact. Students will gain an understanding of emergency responses to a range of unpredictable outdoor challenges, **e.g. survival swimming, first aid, travel skills and survival skills.***

*Students must be prepared to work in a wide range of aquatic, as well as land environments. Students will take part in activities ranging from problem solving and leadership activities, navigation, orienteering, expedition planning, roping, camp cooking and emergency first aid.*

### **NOTE:**

*An additional charge of up to \$100 may be required for an optional off-site camp. These will appear on the Additional Extra Cost Options table provided within the 2018 Voluntary Contributions and Charges Handbook, disseminated to families in December 2017 for the 2018 Academic Year.*

## **Physical Education Extension Program (9PEX)**

**Charge \$50**

*This program is designed to cater to those students who excel in their sporting endeavours. The program covers sports and theoretical components not covered in the General Physical Education Program, and provide enrolled students with opportunities to travel away from the college campus to experience a range of sporting facilities offered within the community.*

## **Soccer Development Program (9SOC)**

**Charge \$100**

*This program is designed to provide students with ongoing development in the skills and attributes needed to play soccer. Through this program, students will be exposed to individual skill development as well as tactical awareness with the aim of developing as a player and a team.*

*This will be offered through specific drills and training in lessons alongside games and matches with other schools if selected to represent Comet Bay College.*

### **NOTE:**

*Additional optional costs may be required to cover training camps and touring matches. These will appear on the Additional Extra Cost Options table provided within the 2018 Voluntary Contributions and Charges Handbook, disseminated to families in December 2017 for the 2018 Academic Year.*

## Surfing Development Program (9SURF)

**Charge \$100**

This program is designed to provide a select group of students with the opportunity to develop and extend their skills in surfing, beach and water safety and other aspects of surfing including weather and competition surfing. The 'Big Wave Surfing School' will provide coaching, and students will be able to gain Surfing Levels Accreditation as set out by Surfing WA.

Students will be able to nominate to try out for this course and will have to undergo a selection process of trials.

### **NOTE:**

Additional optional costs may be required to cover training camps and competitions. These will appear on the Additional Extra Cost Options table provided within the 2018 Voluntary Contributions and Charges Handbook, disseminated to families in December 2017 for the 2018 Academic Year.

## Overview of possible Physical Education Pathways for Years 7 - 12

Year 7	Year 8	Year 9	Year 10	Years 11 and 12
Physical Education	Physical Education	Physical Education	Physical Education	Certificate II in Sports Coaching  Certificate II in Sports Recreation  General Physical Education Studies
		Physical Education Extension	Physical Education Extension	
AFL Specialist Program	AFL Specialist Program	AFL Specialist Program	AFL Specialist Program	
	All Girls AFL	All Girls AFL	All Girls AFL	
	Surfing	Surfing	Surfing	
	Soccer Development	Soccer Development	Soccer Development	
	Basketball Extension	Basketball Extension	Basketball Extension	
		Outdoor Education	Outdoor Education	
			Sports Community Leadership	
			Triathlon Development	
			Fitness Education	

## The Arts

### Clay (9CLAY)

Charge \$80

This course is designed for those students who enjoyed Year 8 Visual Art or Visual Art Extension and would like to further develop their skills with clay.

Students develop their skills in using a range of clays and associated materials, such as glazes. Students will typically complete three major projects over the course of the year including an abstract sculptural form, a realistic sculptural form, and a functional form using coils.

All Visual Arts courses include drawing and design, plus some art theory. Students examine the work of an artist and/or movement that relates to their production work. They will continue to develop and refine their critical analysis skills.

### Concert Band and Vocal Tuition

Charge \$60

**This option is not selected via the Course Selection Process run by The College.** The Arts Department manages selection of students for this option. Please contact Nadia Hall, Dean of The Arts for further information on **9553 8100**.

A tutor attends the college two days per week to support students interested in forming and/or rehearsing with their own music group. Electric Guitar, Bass, Keyboard, Drums and Vocal Tuition are provided in school for groups and individuals. Students attend 40 minutes per week on a rotational basis.

#### **NOTE:**

This option is not timetabled as per other courses and therefore will not appear on the student timetable or the Student Billing Sheet. Families will be issued a separate invoice for charges applicable to this option within the course of the year.

### Dance (9DAN)

Charge \$60

This course provides the students with the basics of dance, focusing on:

- Body, Energy, Space, Time;
- Structure/Choreographic Process;
- Group work and Problem Solving;
- Practice and Rehearsal;
- Performance Preparation;
- Performance Space;
- Performance Etiquette;
- Strength, Flexibility, Coordination and Endurance;
- Warm up/Cool down.

Students will be learning 2 dance genres throughout the year. The students will then perform the styles in front of a chosen audience and reflect on the performance guided by the teacher with specific questions.

- How did you feel about the performance? Why?
- What would we change? Why?
- How could we improve? Why?

Assessment – Teacher focus on practical:

Weighting throughout the year; 80% Practical, 20% Theory.

The course is available to all students, however placements are limited.

## Dance - Extension Program (9DANEX)

Charge \$70

### Prerequisites:

- Student will be auditioned for this course or can continue if they were enrolled in Year 8 Dance Extension.

*This program provides the students with the opportunity to become leaders for the class. It allows them to grow and develop their skills.*

*We work on improving strength, flexibility and technique that are required for contemporary and hip hop styles. Students will also be building on team work as they will need to work in groups to choreograph their own works.*

*Students will have to deal with criticism and compliments as they will be provided with constructive feedback. Students will need to research correct technique and correct terminology to use during warm up.*

*Assessment – Teacher/Student focus on practical:  
Weighting throughout the year; 80% Practical, 20% Theory.*

## Drama (9DRA)

Charge \$40

*The major focus of this course is on developing improvisation and scripting skills as a foundation for further studies in Drama and Theatre. The emphasis is on practical experience in developing creativity and appreciating theatre through improvisation forms in the history of drama and theatre. The application of skills developed will be used to build group devised plays. This extends to play writing and development of character. The work is to be performed for an audience.*

## Drama - Extension Program (9DRAEX)

Charge \$60

### Prerequisites:

- Student will be audition for this course and undergo a selection process.

*This program provides students with opportunities to extend the skills described in the above 9 Drama program. Students will explore a variety of theatrical forms moving away from realism including musicals, and stylised theatre. There is an expectation that students will be committed to continuing their Drama Extension studies in Year 10. A wide range of performance opportunities will be a feature of this course including a public performance at the Mandurah Performing Arts Centre as part of the Youth on Health Festival.*

## Media (9MEDIA)

Charge \$50

*In Media, students will spend their time both making and responding to media works. Students will work in a team to plan, produce, film and edit a range of creative pieces, including short films and advertisements. Students will have the opportunity to use a variety of filming equipment including iPads and video cameras when creating their productions. In addition to this they will study and respond to a range of media texts from different genres.*



## Media - Extension Program (9MEDEX)

Charge \$50

### Prerequisites:

- Student must be enrolled in GATE or Extension English to be considered for this course.

Do you ever wonder how movies are made? In Media, students can learn how to create a short film from start to finish. They will work in a team, learn production skills, and use a range of equipment to craft their very own creative piece. Using Adobe software including Premiere Pro, students will edit their footage into a meaningful sequence of shots, showcasing their ability as a director, cinematographer, editor and producer. Along the way students will learn how to critically analyse visual texts, and understand the meaning behind what they see on the screen. There may be opportunities to enter their work into competitions.

## Music (9MUS)

Charge \$40

Students will learn to read and write music, learn basic chord and rhythm skills on guitar, bass, drums and keyboard, participate in whole class singing activities, participate in song writing, recording, and learning and performing music from a variety of genres. In addition, students have time to form their own groups that they will rehearse and perform with during class time.

## Music - Extension Program (9MUSE)

Charge \$45

This program caters for students with specific abilities in music. It is designed for students interested in exploring in greater depth the following areas of Music study: Composition, Musicology and Performance.

When students engaged in Music Extension, they develop the capacity to communicate complex music ideas through their specialisation. Because music is a unique means of expression, of knowing and communicating experiences, it makes a profound contribution to personal, social and cultural identities. Students become adaptable and innovative problem solvers, making informed decisions and, as inquirers, develop their ability to deconstruct and critically evaluate. They sharpen their sensitivity and perception, raise their level of appreciation and expand their musical horizons. The discipline and commitment of music-making builds a student's self-esteem, independence and personal motivation. Whether for career, commercial or leisure needs, students will have the opportunity to gain the basis for a lifelong engagement with music.

## School of Instrumental Music (SIM)

Charge \$40

**This option is not selected via the Course Selection Process run by The College.** The Arts Department manages selection of students for this option. Please contact Nadia Hall, Dean of The Arts for further information on **9553 8100**.

Students learning an instrument through the School of Instrumental Music (SIM) are required to learn music theory by enrolling in Classroom Music. Performing and rehearsing in the Comet Bay Concert Band is also a compulsory requirement of SIM students.

### **NOTE:**

This option is not timetabled as per other courses and therefore will not appear on the student timetable or the Student Billing Sheet. Families will be issued a separate invoice for charges applicable to this option within the course of the year.

## Visual Art (9ART)

Charge \$80

This course is designed for those students who enjoyed Year 8 Visual Art and would like to develop their skills in a wider variety of Visual Arts studio areas.

Students continue to develop and refine their observational drawing skills and will typically complete three major projects over the course of the year including a drawing task (perspective drawing), a sculpture and an acrylic painting.

All Visual Arts courses include drawing and design, plus some art theory. Students examine the work of an artist and/or movement that relates to their production work. They will continue to develop and refine their critical analysis skills.

## Visual Art - Extension Program (9ARTE)

**Charge \$90**

### Prerequisites:

- Entry into the Visual Art Extension program is by application only. Please contact Nadia Hall, Dean of The Arts for further information on 9553 8100.**

This course is designed for serious art students, with talent and interest in Visual Art.

Visual Art Extension students continue to develop and refine their observational drawing skills beyond the level offered in the General pathway. Students typically complete three major projects over the year including a perspective drawing task, a 3D paper clay sculpture and an acrylic painting. Students will participate in excursions, incursions and work on projects with visiting artists when the opportunity arises.

All Visual Arts courses include drawing and design, plus some art theory. Students research the work of an artist and/or movement that relates to their production work. They will continue to develop and refine their critical analysis skills.

## Overview of possible The Arts Pathways for Years 7 – 12

Year 7	Year 8	Year 9	Year 10	Year 11	Year 12
Music	Music	Music	Music	CERT II in Music	CERT III in Music
Music Extension	Music Extension	Music Extension	Music Extension		
Instrumental Tuition Vocals, Concert Bands, Ensembles	Instrumental Tuition Vocals, Concert Bands, Ensembles	Instrumental Tuition Vocals, Concert Bands, Ensembles	Instrumental Tuition Vocals, Concert Bands, Ensembles		
Drama	Drama	Drama	Drama	Cert II in Creative Industries (Drama)	Cert II in Creative Industries (Drama)
Drama Extension	Drama Extension	Drama Extension	Drama Extension		
Visual Art	Visual Art	Clay	Clay	General Visual Art or ATAR Visual Art	General Visual Art or ATAR Visual Art
		Visual Art	3D Design & Sculpture		
Visual Art	Visual Art				
Visual Art Extension	Visual Art Extension	Visual Art Extension	Visual Art Extension		
Dance	Dance	Dance	Dance	General Dance or ATAR Dance	General Dance or ATAR Dance
Dance Extension	Dance Extension	Dance Extension	Dance Extension		
N/A	Media	Media	Media	Cert II in Creative Industries (Media)	Cert II in Creative Industries (Media)
		Media Extension	Media Extension		

## Technology and Enterprise (Home Economics)

In the Home Economics area, Year 9 students will develop the foundation skills studied in Year 8 to further extend their practical skills in textiles and food preparation.

### Caring for Children (9CHILD)

Charge \$80

This course looks at many different aspects of caring for children, and students are exposed to a wide range of topics to help prepare them for a future pathway in childcare. Students will be provided with many interactive and practical opportunities to display their knowledge and understanding and further enhance their skills. This course will also look at the nutritional and safety aspects of childcare, and students will have the opportunity to plan and host a children's party.

### Food Science (9FST)

Charge \$110

Put some wow-factor in your snacks and desserts with this mostly hands-on course. Using the freshest of ingredients, the course focuses on creating plated desserts and finger foods, incorporating a range of dramatic textures and seasonal flavours. Students specifically focus on account ethics, legal issues, social values, economic, environmental and social sustainability. Students use creativity, innovation and enterprise skills with increasing confidence, independence and collaboration. This course will provide essential skills for employment in the food industry.

## Overview of Design and Technology (Home Economics)

### Pathways for Years 7 - 12

Note: Each year whether a course will run depends on student selection creating viable classes.

Year 7	Year 8	Year 9	Year 10	Years 11 and 12
Home Economics	Food Science	Food Science	Food Technology	General Food Science and Technology
	N/A	Caring for Children	Caring for Children	General Children, Family and the Community



## **Technology and Enterprise (Design and Technology)**

### **CAD/CAM (9CAD)**

**Charge \$110**

*CAD/CAM (Computer Aided Design/Computer Aided Manufacturing) is an exciting STEM course that allows students to use their creativity to develop solutions to real world problems, needs and opportunities. This course allows students to take an idea, turn it into reality faster than using manual production techniques and to a much higher standard. The students will start drawing in 2 dimensions and move on into 3 dimensional drawing.*

*Computer Aided Manufacturing facilities at Comet Bay College include subtractive rapid prototyping machines like CNC mills, laser cutters and plasma cutters for cutting metal. The recent explosion onto the market of affordable 3D printers means that students will also be able to create 3D drawings and produce them.*

*The software used in the CAD/CAM course is industry standard and provides students with a workplace ready skill and the ability to easily move from one software platform to another in the industry. The AutoCAD software taught in the course is the standard in industry, TAFE and University, giving student an edge in further education and training.*

*The ability to use CAD/CAM will benefit students studying Engineering, Metal and Wood in Year 10 and Upper School.*

### **Electrical (9ELE)**

**Charge \$100**

*Electrical provides students with an introduction to the electrical trade field. Students develop knowledge of electrical theory and principles as well as construct electrical circuits, installation, solder electronics circuits and use test equipment.*

*The course will provide a solid foundation and creates opportunities for students who wish to work with the latest in computer technology, software, control systems, building automation, audio-visual technology and electronic components and appliances.*

### **Engineering - Mechatronics (9ENGM)**

**Charge \$100**

*This is an exciting STEM course that focuses on solving problems and overcoming challenges using technology focused solutions. Our course will foster the students creativity, practical and problem solving skills and turn ideas into reality by applying lateral thinking to develop solutions to real world problems, needs and opportunities.*

*Students will develop skills and knowledge in the electro-technology field, robotics, coding and Computer Aided Drawing (CAD). Students will have the opportunity to develop solutions using innovative Computer Aided Manufacturing (CAM) technologies such as, microcontrollers, 3D printers, Laser cutters and CNC mill to help them produce solutions.*

### **Jewellery (9JEW)**

**Charge \$100**

*This course draws on and expands transferable skills developed in Year 8 Design and Technology and introduces students to the manipulation of metals using a wide range of tools, processes, materials and systems. Some new processes to be developed will include but not be limited to silver soldering, casting, forming, drilling, cutting and polishing of a range of materials used for ornamental purposes.*

*Some of the work will require design and planning using the Technology Process with literacy and numeracy skills consolidated in practical applications such as quantity and cost estimations. Health and Safety aspects will be taught and reinforced at all times. Students will learn how to conduct a risk assessment and job safety analysis in a range of industrial settings.*

## **Mechanics (9MEC)**

**Charge \$100**

*This course is designed as an entry level course. Small single cylinder engines are used in many domestic applications such as lawn mowers, whipper snippers, generators, pumps etc. They are also used in go carts.*

*Mechanics will cover the operation of two-stroke and four-stroke engines. The practical component of this course will include maintenance, component identification, disassembly and assembly of single cylinder engines. Students will learn in a predominantly hands on environment using common and specialised mechanical tools. The theory component of this course will require students to develop a well organised package of work that will serve as a valuable reference in the future, both in and out of school.*

## **Metal Technology (9MET)**

**Charge \$100**

*This course draws on and expands transferable skills developed in Year 8 Design and Technology and introduces students to the manipulation of metals using a wide range of tools, processes, materials and systems. Some new processes to be developed will include, but not be limited to, fuel gas and electric welding processes, forging, machining, fitting, drilling, grinding and polishing of a range of metals.*

*Some of the work will require design and planning using the Technology Process with literacy and numeracy skills consolidated in practical applications such as quantity and cost estimations. Health and Safety aspects will be taught and reinforced at all times. Students will learn how to conduct a risk assessment and job safety analysis in a range of industrial settings.*

## **Wood Technology (9WOOD)**

**Charge \$100**

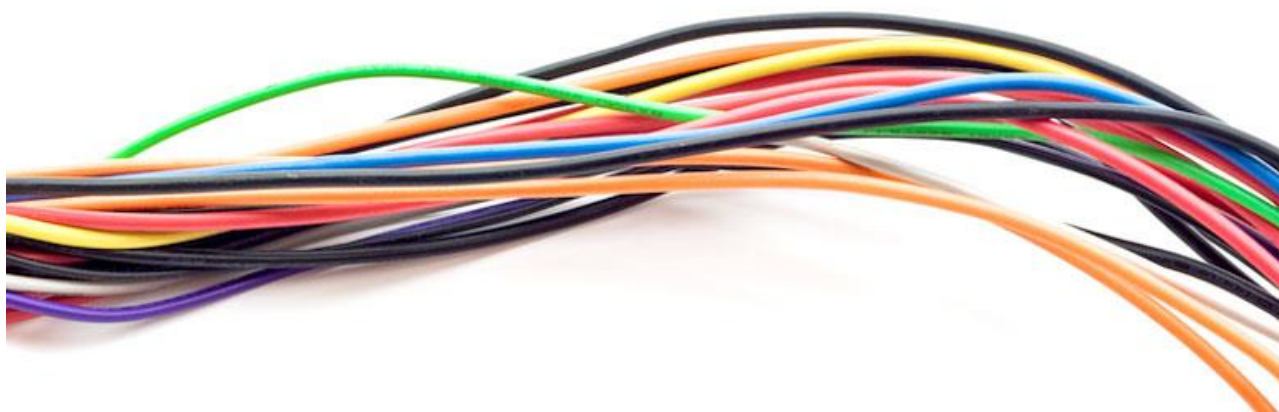
*This course draws on and expands transferable skills developed in Year 8 Design and Technology and introduces students to the manipulation of wood and wood products using a wide range of tools, processes, materials and systems. Some new processes to be developed will include, but not be limited to, biscuit joining of boards and frames using a range of adhesives, use of pneumatic and electric tools.*

*Some of the work will require design and planning using the Technology Process with literacy and numeracy skills consolidated in practical applications such as quantity and cost estimations. Health and Safety aspects will be taught and reinforced at all times. Students will learn how to conduct a risk assessment and job safety analysis in a range of industrial settings.*



## Overview of Design and Technology Pathways for Years 7 – 12

Year 7	Year 8	Year 9	Year 10	Years 11 and 12
Design and Technology	N/A	Jewellery	Jewellery	General Wood
	Wood Technology	Wood Technology	Wood Technology	General Metals
	Metal Technology	Metal Technology	Metal Technology	Drone Technology & Operations
	Mechanics	Mechanics	Mechanics	General Wood
	CAD/CAM	CAD/CAM	CAD/CAM	General Metals
				Drone Technology & Operations
			General Engineering or ATAR Engineering or Cert III Engineering	
	N/A	Electrical	Electrical	Drone Technology & Operations
				General Engineering or ATAR Engineering or Cert III Engineering
	Engineering - Mechatronics	Engineering - Mechatronics	Engineering - Mechatronics	Drone Technology & Operations
				General Engineering or ATAR Engineering or Cert III Engineering



## Information and Communication Technology

### **Business/ICT Operations and Administration (9BITOA) Charge \$25**

*The development and application of digital technologies impact most aspects of living and working in our society. Digital technologies have changed how people interact and exchange information in work life and social life.*

*This course provides students with the opportunity to develop the practical knowledge and skills of digital technologies and their applications. It also encourages students to use digital technologies in a responsible and informed manner.*

*This course is highly practical and will focus on the use of technology and associated skills and provides students with efficient productivity and problem solving skills.*

### **Computer Science - Robotics (9CSROB) Charge \$50**

*A high-quality computing education equips students to use computational thinking and creativity to understand and change the world. The core of computing is computer science, in which students are taught the principles of information and computation, how digital systems work and how to put this knowledge to use through programming. They will build their knowledge and understanding through hands on experience by making their own Lego EV3 robots and games.*

*Computing also ensures that students become digitally literate – able to use, and express themselves and develop their ideas through information and communication technology – at a level suitable for the future workplace and as active participants in a digital world.*

*This course leads to Year 10 Computer Science Extension, where students can further extend their knowledge and skills for various career paths after Year 10 including ATAR Computer Science (University entrance) VET and TAFE certificates in gaming, programming, Information Technology and Networking.*

### **Design Photography (9DESP) Charge \$50**

*In this course, students will be introduced to the latest SLR Cameras in digital photography. Students will utilize a variety of software packages, including Photoshop and InDesign and will be instructed on how to harness the latest developments in photography. Legal and ethical issues as they relate to the use of media and information sharing will be addressed.*

*The focus for this course is to integrate Photographic composition techniques and the application of photographic design principles using digital equipment integrated with state of the art software. Students will discern that photography is a multi-discipline area with its own history, traditions, styles and techniques. Students deploy composition elements and design principles through experiential based learning processes. With rich engagement structures students embrace the design process from the moment of ideation (forming ideas) to the final making and presentation of prints (photographs).*

*Students will transition a range of techniques from landscape designs to portrait styles demonstrating their abilities to effectively use light, equipment, materials and technologies to compose and design their photographs.*

*The course has been designed around the following essential understandings:*

- Technology is a tool in our everyday life;*
- Technology helps us retrieve and present information;*
- Technological progress presents new possibilities and challenges.*

# Overview of Information, Design and Communication Technology Pathways for Years 7 - 12

Year 7	Year 8	Year 9	Year 10	Years 11 and 12
Computing	Design Photography	Design Photography	Design Photography	Drone Technology & Operations
			Design Photography Extension	Certificate II – Information, Digital Media and Technology
	Robotics	Computer Science - Robotics	Computer Science	Drone Technology & Operations
			Computer Science Extension	ATAR Computer Science Certificate II – Information, Digital Media and Technology
	Business Management and Enterprise	Business/ICT Operations and Administration	Business Management and Enterprise	N/A





### Subs in Schools (9SUBS)

Charge \$60

**Preferred prerequisites:**

- Minimum B Grade in Year 8 Math and
- Minimum B Grade in Year 8 Science

The SUBS in Schools program aims to challenge students to build a fully functional remote controlled underwater vehicle. The course's purpose is to create an exciting and fun learning environment for students as they design and manufacture a working model ROV and submarine. The ROV then needs to dive, manoeuvre and carry out a number of tasks while being remotely operated. Students will be given many opportunities to develop their creative thinking skills as they solve problems faced by real life engineers building a full scale submarine.

This option will allow students to work in teams and experience scientific and construction challenges that will develop problem solving, creativity and innovation. Science and mathematics principles including buoyancy, calculating density, propulsion, stream lining and electrical circuitry will be incorporated into the program. While working modern design technology and collaborating with industry to complete the challenge, students will be given the added opportunity to extent their skills with the challenge of designing their own working model ROV. SUBS in Schools will incorporate the learning areas of Science, Technology, Engineering and Mathematics making it a true STEM subject.



## Student Information on the Unique Student Identifier (USI)

### Unique Student Identifier Number Application

The recent implementation of this new reform requires all students enrolling into Nationally Recognised Courses to obtain a USI number. Comet Bay College offers a wide range of Nationally Recognised Courses to its students and therefore requires **all** students to obtain their individual USI.

**Please visit the link below to apply for your child's USI and forward the allocated number to Comet Bay College Administration.**

#### NOTE:

- Please take care to record the number accurately; we may need to contact you in the event an error is made.
- Applications **MUST** be made using the student's LEGAL first name AND LEGAL surname.
- You will be required to provide details from your current Medicare Card and an additional form of ID (for example Drivers Licence). Please have them on hand prior to starting your application.

Further, more comprehensive information regarding the USI is available from the USI website [www.usi.gov.au](http://www.usi.gov.au).

#### START YOUR APPLICATION HERE:

<https://www.usi.gov.au/students/create-your-usi>

#### Problems With Your Application?

Unfortunately, college staff are not able to assist with any technical issues you may experience in submitting your application. **Please refer to the USI website for contact details in the event you require support.**