



Year 8
**COURSE
SELECTION**

We are committed to ensuring every student develops the knowledge, skills and attributes needed to positively contribute to the world community as a responsible and caring citizen.



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College purpose and values

Bendigo South East College is committed to ensuring every student develops the knowledge, skills and attributes needed to positively contribute to the world community as a responsible and caring citizen.

We encourage students to strive for excellence – to achieve more than is required or expected academically, vocationally, socially and personally.

Our values hold focus at each year level:

7: Teamwork – Working together to achieve shared aspirational goals.

8: Respect – Treat others with consideration and regard and be respectful of the rules within a community.

9: Appreciation – Be generous in actions and words towards everyone who contributes to our world.

10: Leadership – Accept we all have a role to play in modelling, contributing and serving others.

We are committed to embedding our values as habits so they become observable attributes:

- Readiness
- Resourcefulness
- Resilience
- Reflectiveness
- Reciprocity

Our Year 10 Graduate is ideally a young person who:

- has a global perspective with an understanding of Australian culture and qualities
- has the knowledge, skills and attributes needed to succeed and contribute in a global community
- is articulate, confident, respectful and appreciative
- has excellent teamwork and leadership skills
- is resourceful, resilient, reflective and ready to take up opportunities
- can use reasoning skills to face real-world challenges and embrace opportunities
- is a fine ambassador for the College, their family, country and themselves

Curriculum overview

The curriculum at Bendigo South East College follows the Victorian Curriculum F – 10. This curriculum, developed by the Victorian Curriculum and Assessment Authority (VCAA), *“is the common set of knowledge and skills required by students for life-long learning, social development and active and informed citizenship.”* The Victorian Curriculum F – 10 also incorporates the Australian curriculum, whilst reflecting the key priority areas and standards for Victorian students.

Bendigo South East College also offers a small range of Victorian Certificate Education (VCE) and Vocational Educational Training (VET) based subject offerings for Year 10 students. Teachers follow the subject specific study design published by the VCAA to construct learning centred upon the set knowledge and skills described. VET subjects knowledge and skills is derived from following the relevant industry-based training package regulated by the Australian Skills Quality Authority, (ASQA).

As students move into Years 7 and 8, Bendigo South East College curriculum and subject offerings have a focus on students experiencing a broad range of subject areas and building key knowledge and skills across these offerings. Within Year 9 and 10 students are provided with increasing opportunities to exercise choice. We encourage students to consider their Year 10 program as a strong grounding for their last two years of senior secondary education.

Learning and technology

Bendigo South East College incorporates a 1 to 1 ICT program where every student has a portable computer device 24/7. As technology continues to influence our society, students will need to acquire and apply the basics of what technology provides in authentic, integrated ways to solve problems, complete projects and creatively extend their abilities.

The computer is an essential part of a learner's toolkit and Bendigo South East College acknowledges that digital literacies play a major role in students' social and academic development. Technology when incorporated with other learning strategies and modes of delivery will support students to practise and acquire skills, knowledge and attributes that they will need for the adult world in which they will live.

Co-curricula

Our curriculum extends beyond timetabled classes to include camps, overseas immersions, public speaking, College Bands, Outward Bound, sports competitions, instrumental music tuition, voluntary academic competitions and human powered vehicles.

Learning areas

The Curriculum is provided through subjects drawn from the following learning areas:

- English
- Humanities
- Health and Physical Education
- Languages
- Mathematics
- Technology
- The Arts
- Science
- Self-Directed Learning

Learning spaces

The College has learning communities at each of our four year-levels and enjoys high quality facilities. Our learning spaces create opportunities to provide for a wide range of flexible learning and teaching activities, including:

- peer tutoring;
- small and large group work;
- independent study;
- project, lecture, seminar based learning;
- performances and presentations by students;
- learning by building and doing.

The Performing Arts Centre, Technology Centre, four Learning Communities, the Athlete Development Program hub and our three court indoor stadium complimented by extensive outdoor playing surfaces are significant are a feature of the school learning spaces.

The Bendigo Deaf Facility forms part of the school community.

Timetable structure

In 2019 the school is moving to a timetable structure that contains 4 x 70 minutes periods each day with a two-week timetable. Students also have a 15-minute wellbeing session daily with their group advisory.

Subject availability

Students and parents are advised that, while subjects are offered within this Course Selection Guide, BSE will, once students undertake their subject selections, make decisions about running subjects based on the demand for each subject. Subjects that are selected by a small number of students may be withdrawn. When a subject is withdrawn, students will be notified and back-up subject choices will be used and/or further course counselling will be undertaken.

Learning and student attendance

Bendigo South East College expects students to maintain a strong attendance record. There is significant research that indicates students who miss 5-10% of days in any given year will have lower levels of performance in reading, writing and Mathematics. In future years the gaps in knowledge and skills are rarely made up. Strong attendance provides continuity in student's learning. Other factors that are gained from high-level attendance include:

- Students giving themselves their best chance to build on their learning of skills and knowledge by being present from one class to the next.
- Teachers being better able to provide sequenced learning opportunities and to build positive relationships with a student when the student is always present.
- Social connections within the school setting being better maintained by students when they are present on each school day and participate in all school activities.
- Students feeling more strongly connected to a peer group and to the school community as a whole.

Extended student absences and learning

Bendigo South East College will work with parents to provide support for a continuation of essential student learning if a student has some short-term absence (up to approximately 2-3 weeks) as a result of illness or injury. For absences that extend beyond this period, student needs are considered on a case-by-case basis, but parents need to be aware that the school is not equipped, nor able to support an "at-home" learning program for students for any great length of time.

For a student undertaking an extended family holiday in years 7-10, the school does not provide an individual learning program as part of the student's absence.

Students taking holidays during the school term

At times, students or their families seek to take holidays during the school term. When a student begins to select VCE or VET subjects there are clear attendance expectations that are required by the Victorian Curriculum Assessment Authority. The school is not able to make allowances for students seeking to miss school for a family holiday or attendance at a single day non-school-based activity. Students who elect to participate in a holiday while undertaking VCE or VET studies, place themselves at considerable risk of failing VCE subjects they are undertaking. A student missing a day to attend an event such as a concert in Melbourne cannot request that school-assessed coursework (SAC) be re-scheduled. If this situation occurred the student would not be scored for this SAC and may risk failing the subject.

Selecting your Year 8 program

A Year 8 program at Bendigo South East College seeks to provide subject options that continue to build essential learning skills across a broad range of subject areas.

Subject selection

Students are expected to draw upon the variety of resources and people who can assist them to select their subjects and program. To be clear of the subject content and expectations, it is critical that students and parents carefully read the description of any subject in which a student has an interest.

Year 8 Subjects by Learning Areas

The Arts <ul style="list-style-type: none"> • Year 8 ACA* • Year 8 Digital Art* • Year 8 Drama* • Year 8 Music* • Year 8 Production* • Year 8 Sculpture* • Year 8 Visual Arts* • Year 8 Visual Communication and Design* 	Technology <ul style="list-style-type: none"> • Year 8 Food Studies* • Year 8 Digital Technologies* • Year 8 Makers and 3D Printing* • Year 8 Materials* • Year 8 Textiles* • Year 8 Automotive* 	Languages <ul style="list-style-type: none"> • Year 8 Chinese* • Year 8 German* • Year 8 Indonesian*
English <ul style="list-style-type: none"> • Year 8 English • Year 8 EAL 	Science <ul style="list-style-type: none"> • Year 8 Science 	Humanities <ul style="list-style-type: none"> • Year 8 Humanities
Health and PE <ul style="list-style-type: none"> • Year 8 ADP • Year 8 Health and Physical Education 	Mathematics <ul style="list-style-type: none"> • Year 8 Mathematics 	SDL <ul style="list-style-type: none"> • Year 8 Self-Directed Learning

***Please note: those subjects with an * beside name can only be selected as part of the 4 elective subject options available within a student's Year 8 program.**

Requirements of a Year 8 Program

In Year 8 the students undertake the following program made up of compulsory and elective subject options.

Compulsory Subject Selections

Students must undertake:

- 2 semesters of English, with 7 periods allocated within the 2 week timetable cycle;
- 2 semesters of Mathematics with 7 periods allocated within the 2 week timetable cycle;
- 2 semesters of Health and PE subject choices with 5 periods allocated within the 2 week timetable cycle;
- 2 semesters of Science with 5 periods allocated within the 2 week timetable cycle;
- 2 semesters of Humanities with 4 periods allocated within the 2 week timetable cycle;
- 2 semesters of Self-directed learning with 4 periods allocated within the 2 week timetable cycle;

Electives

Students may then undertake:

- 4 additional x 1 semester subject choices subject selections of their own choice drawn from **the Arts, Technology and Languages** learning areas

Year 8 Subject Selection Guidelines

ACA

- Students undertaking ACA undertake this option as two of their elective subject options

The Arts

- **Music** is a year-long subject and will take up two of a student's Year 8 elective options

Languages

- A **Languages** study is a year-long subject and will take up two of a student's Year 8 elective options

Health and PE

- **ADP students** should select Year 8 Health and Physical Education Semester 1 and Year 8 Health and Physical Education Semester 2 as part of their online selection process. ADP students will then be allocated manually into the ADP program.

Year 8 Program subject selection template

COMPULSORY UNITS REQUIRED

SUBJECT AREAS	PERIODS AND SEMESTERS	SUBJECT OPTIONS
English	7 periods per fortnight completed over Semester One and Two	Yr 8 English 1 Yr 8 English 2
Mathematics	7 periods per fortnight completed over Semester One and Two	Yr 8 Mathematics 1 Yr 8 Mathematics 2
Health and PE	5 periods per fortnight completed over Semester One and Two	Yr 8 Health and PE 1 Yr 8 Health and PE 2
Science	5 periods per fortnight completed over Semester One and Two	Yr 8 Science 1 Yr 8 Science 2
Humanities	4 periods per fortnight completed over Semester One and Two	Yr 8 Humanities 1 Yr 8 Humanities 2
Self-Directed Learning	4 periods per fortnight completed over Semester One and Two	Yr 8 SDL 1 Yr 8 SDL 2

FREE SUBJECT CHOICE Electives

Students must undertake 4 free choice elective units in total drawn from the learning areas listed below.

LEARNING AREAS	FREE CHOICE OPTIONS	FREE CHOICE SUBJECT OPTIONS
The Arts Languages Technology	Students choose 4 x Semester subjects that are allocated 4 periods per fortnight.	1
		2
		3
		4

Subject Offerings and Descriptions

Year 8 Academy of Creative Arts (ACA)

Semester Length: 2 semesters (run in conjunction with technical coaching session)

Subject Fee: \$600

What is studied?

Within this subject student learning is based upon the following key knowledge and concepts:

- Mindfulness
- Collaboration
- Concepts
- Folios

What type of work is done?

- Theme development
- Creating works
- Presenting works
- Critiques

Additional Information

Students will be working in a coaching environment to work independently or in collaboration with their peers to generate and present works in their chosen field.

The Arts Learning Area

Year 8 Drama

Semester Length: 1 semester

Subject Fee: \$0

What is studied?

Within this subject student learning is based upon the following key knowledge and concepts:

- Improvisation
- Characterisation
- Naturalism/Realism
- Ensemble building

What type of work is done?

Within this subject student learning is developed and assessed through:

- Play
- Note taking
- Peer reviews
- Live Performance

Year 8 Digital Art

Semester Length: 1 semester

Subject Fee: \$0

What is studied?

Within this subject student learning is based upon the following key knowledge and concepts:

Film

- Explore basic concepts and techniques of genre in film
- Use iMovie, video recording functions and editing techniques to create and edit short films
- Article analysis and a reflection

Photography and Photoshop

- Basic Photoshop functions and how to digitally manipulate an image/text
- Photographic techniques and processes

Animation

- Use basic concepts, techniques and tools to develop and create their own animation
- Complete a design process to create an animation

What type of work is done?

Within this subject student learning is developed and assessed through:

- Workshops on style to develop skills and knowledge
- Development of a simple folio following the design process
- Extension activities to further develop individual knowledge/skills on programs/applications used
- Written tasks: Visual Analysis, Evaluation
- End of semester Exam

Additional Information

Students will create original performances based on different stimuli.

Year 8 Production

Semester Length: 1 semester

Subject Fee: \$60

What is studied?

Within this subject student learning is based upon the following key knowledge and concepts:

- Improvisation
- Characterisation
- Blocking
- Stagecraft

What type of work is done?

Within this subject student learning is developed and assessed through:

- Devised work
- Scripted work
- Rehearsal process
- Live performance

Additional Information

Students will collaborate with their peers to prepare and present a live performance for the general community.

Year 8 Music

Semester Length: 2 semesters

Subject Fee: Check applicable fees in Music Enrolment Form

What is studied?

Within this subject student learning is based upon the following key knowledge and concepts:

- Building awareness of music style
- Developing group performance skills
- Developing teamwork and rehearsal skills
- Building greater musical skills
- Weekly instrumental lessons
- Use of composition software
- Theory and knowledge of musical terminology
- Practical skills in sound and audio production
- Creative skills in improvising, composition and interpreting music.

What type of work is done?

- Creative tasks and assignments.
- Performance review and reflection
- External feedback from guest artists
- Use of digital applications
- Practical and theory exam

Additional Information

Students can start as a beginner at year 8, although it is recommended to meet with music staff to undertake an assessment.

Year 8 Sculpture

Semester Length: 1 semester

Subject Fee: \$30

What is studied?

Within this subject student learning is based upon the following key knowledge and concepts:

- Development of hand-building skills, working with the medium of clay, developing basic techniques of pinching, coiling, welding and wedging the material
- Developing knowledge of the application of glazes for the benefit of aesthetics and functionality
- Application of the design process to work for the purpose of finishing a sculpture
- Development knowledge of Art language and analysis
- Development of knowledge in displaying finished sculptures within an exhibition space

What type of work is done?

Within this subject student learning is developed and assessed through:

- A Folio of ideas and final Sculptural outcomes,
- annotation of thumbnail sketches, ideas and inspiration of other artists,
- Use of mixed medium materials/glazes.
- Artwork analysis
- An exam

Year 8 Visual Communication and Design

Semester Length: 1 semester

Subject Fee: \$0

What is studied?

Within this subject student learning is based upon the following key knowledge and concepts:

- Exploration into Communication design to create logos, advertising and product design
- Using the design elements and principles to create effective designs
- Creating designs for a range of different audiences
- Selecting manual and technical drawing methods to create and present ideas and designs
- How to efficiently use digital applications to create and refine design ideas and concepts
- Investigate the design process to generate and develop final designs and presentations

What type of work is done?

Within this subject student learning is developed and assessed through:

- Student Folio of ideas and final presentations
- Annotation of design concepts and ideas
- Use of digital applications
- Design Analysis
- Exam

Year 8 Visual Arts

Semester Length: 1 semester

Subject Fee: \$25

What is studied?

Within this subject student learning is based upon the following key knowledge and concepts:

- introduction to mediums and practical techniques related to painting, drawing, collage, printmaking
- contemporary and historical artists,
- application of the design process to create a major artwork,

What type of work is done?

Within this subject student learning is developed and assessed through:

- Practical workshops and visits to local galleries
- Developmental folios
- Artwork Analysis Tasks
- Major Artwork
- Exam

English Learning Area

Year 8 English

Semester Length: 2 semesters

Subject Fee: \$0

What is studied?

- Independent Reading Program
- How the English language has changed over time
- Novel study and film study
- The Hero's Journey story structure
- Oral storytelling
- Biographies and autobiographies

Within this subject student learning is based upon the following key knowledge and concepts:

- reading
- writing
- speaking and listening

What type of work is done?

Within this subject student learning is developed and assessed through:

- The development of an interactive map
- Group oral presentation
- Text response essay
- Creative response to a film
- Creative writing following Hero's Journey structure
- Oral adaptation of students' Hero's Journey story
- Multimodal biography on a local hero

Additional Information

BSE will provide novels and films for semester one's novel and film study units, but students will need to source and provide their own autobiography/biography during second semester.

Year 8 English as an Additional Language (EAL)

Semester Length: 2 semesters

Subject Fee: \$0

What is studied?

Within this subject student learning is based upon the following key knowledge and concepts:

- Vocabulary – to develop basic English and adding increasing amounts of subject specific
- Grammar functions to move from basic to more specific types
- Building use of English confidence across Reading, Writing, Speaking and Listening
- Developing subject specific language

What type of work is done?

Within this subject student learning is developed and assessed through:

- Games
- Speaking and Listening tasks
- Reading and Comprehension tasks
- Writing tasks
- Life skills as negotiated
- General knowledge – usually to support mainstream subject learning

Additional Information

Based on the learning needs of the student, work may be varied to support individual student learning.

Health and Physical Education Learning Area

Year 8 Athlete Development Program (ADP)

Semester Length: 2 semesters

Subject Fee: \$750

What is studied?

Within this subject student learning is based upon the following key knowledge and concepts:

- Personalised training program
- Strength and conditioning
- Technical skills development
- Personal development
- Sports medicine support
- Aspects of Victorian F – 10 Health and PE curriculum

What type of work is done?

Within this subject student learning is developed and assessed through:

- Continued Development of 'Talent', specific movement towards 'Mastery'
- Goal Setting & Individual Athlete Performance Plans
- Training Sessions specifically linked to Squad/Sport
- Individualisation of programming specific to Squad/Sport Movements (Primarily Prehabilitation)
- Consistent consultation between external coaches and ADP staff
- Continuation of Sport Performance Psychology
- Exploration of Sports Science and Training Concepts related to training and performance (Inquiry)

Additional Information

The Athlete Development Program is a SELECT ENTRY course. Entry into subject is undertaken via a separate ADP application.

Year 8 Physical Education

Semester Length: 2 semesters

Subject Fee: \$0

What is studied?

Within this subject student learning is based upon the following key knowledge and concepts:

- Factors that impact upon healthy lifestyles and strategies to improve lifestyles habits
- Character strengths and strategies to build resilience
- Effective participation in Sport Education program
- Minor games – help students develop and transfer their skills into various games.
- Athletics – Skill technique & development in preparation to school trials
- Major Games – AFL, Netball, Soccer, Cricket, Volleyball, Tennis, badminton
- Cultural Games – Students will be taught a variety of Australian Indigenous games.
- Fitness Testing
- Game Sense – space, time and effort

What type of work is done?

Within this subject student learning is developed and assessed through:

- Observational assessment of application within practical activities
- Sport Education delivery
- Health units are assessed through completion of workshops, collaborative activities and workbook tasks. Summative assessment task at the conclusion of health unit.

Humanities Learning Area

Year 8 Humanities

Semester Length: 2 semesters

Subject Fee: \$0

What is studied?

Within this subject student learning is based upon the following key knowledge and concepts:

- Mapping and Geographical concepts
- Geological processes
- Civics and parliamentary systems
- Introduction to economics, consumer and financial literacy

What type of work is done?

- Application tasks
- Case study analyse
- Project work
- Exam and tests

Languages Learning Area

Year 8 – Chinese

Semester Length: 2 semesters

Subject Fee: \$30

What is studied?

Within this subject student learning is based upon the following key knowledge and concepts:

- Uses Chinese language to compare own experiences to the lives of young Chinese people
- Compares stories and characters in both Chinese and Australian popular media and explore themes and topics that interest young people from different cultural backgrounds
- Watches interactions in Chinese between peers, families or in texts, and interprets the meaning of the dialogue as well as comparing culturally determined manners or behaviour
- Analyses the variety of verb types found in Chinese

What type of work is done?

Within this subject student learning is developed and assessed through:

- Completing the unit booklet,
- Completing the unit language and cultural project
- Completing the listening, speaking, reading and writing learning assessment tasks

Year 8 – German

Semester Length: 2 semesters

Subject Fee: \$30

What is studied?

Within this subject student learning is based upon the following key knowledge and concepts:

- Fluency in listening, speaking, reading and writing
- Comparing family, school, animals and seasons, food and Christmas in Australia with Germany
- Comparisons between Australian and German traditions

What type of work is done?

Within this subject student learning is developed and assessed through:

- Formative and summative vocabulary tests
- Oral presentations
- Reading and listening comprehension tasks
- Inquiry and research tasks
- Community and fundraising activities
- Regional and state-wide competitions

Year 8 – Indonesian

Semester Length: 2 semesters

Subject Fee: \$30

What is studied?

Within this subject student learning is based upon the following key knowledge and concepts:

- Socialising with peers in Indonesian to role play dialogues
- Creating written pieces of Indonesian work for a target audience
- Translating various forms of text and creating own resource dictionary
- Reflecting on Indonesian language learning and cultural values of Indonesian life
- Building upon known Indonesian grammar and vocabulary to extend understanding to new concepts
- Connecting and comparing Indonesian culture through pop culture such as music, film and slang

What type of work is done?

Within this subject student learning is developed and assessed through:

- Showcasing oral skills through presentations, role play scenarios, movie making and performances
- Completion of interactive tasks on Education Perfect and assessment aligned with these tasks
- End of semester summative assessment exams
- Creating Indonesian written pieces linking with topics
- Invitation to participate in statewide Sayembara Lisan speaking competition
- Participation in Harmony Day

Mathematics Learning Area

Year 8 Mathematics

Semester Length: 2 semesters

Subject Fee: \$65 for Maths Pathways online resource.

What is studied?

Within this subject student learning is based upon the following key knowledge and concepts:

- Number & Algebra
- Measurement & Geometry
- Statistics & Probability

What type of work is done?

Within this subject student learning is developed and assessed through:

- Maths Pathways Modules
- Note Taking
- Teacher Directed learning
- Application/Rich Task Activities
- Topic Tests
- End of Semester Written Summative Exam

Additional Information

Maths Pathways supports the Maths program by providing a continuum of mathematical learning and allowing differentiation for each student.

Science Learning Area

Year 8 Science

Semester Length: 2 semesters

Subject Fee: \$0

What is studied?

Within this subject student learning is based upon the following key knowledge and concepts:

Human body

- Respiratory system
- Digestive system
- Circulatory system
- Cells

Light and Sound

- Reflection and refraction
- Electromagnetic spectrum
- Sound waves

Geology

- Rocks and minerals
- Environmental impacts of mining

Conducting experiments

What type of work is done?

Within this subject student learning is developed and assessed through:

- Collaborative work
- Research tasks
- Laboratory techniques
- Practical report
- Tests and exams

Self-Directed Learning (SDL)

Year 8 SDL

Semester Length: 2 semesters

Subject Fee: \$0

What is studied?

Within this subject student learning is based upon the following key knowledge and concepts:

- Life Skills and empathy
- Career focused attributes and approaches to navigating the future workforce environment
- Collaboration and presentation skills
- Problem solving
- International mindedness
- Research skill application to real-world problems
- Questioning
- Transition planning

What type of work is done?

Within this subject student learning is developed and assessed through:

- Inquiry tasks using the design thinking process
- Collaboration tasks
- Small business and/or social enterprise development
- International mindedness workshops

Technology Learning Area

Year 8 Automotive

Semester Length: 1 semester

Subject Fee: \$20

What is studied?

Within this subject student learning is based upon the following key knowledge and concepts:

- Different types of vehicle engines and fuels
- Vehicle sub systems
- Performance enhancements and modifications
- Vehicle safety systems and testing
- Practical learning contexts on small engines

What type of work is done?

Within this subject student learning is developed and assessed through:

- Individual and Collaborative Learning
- Theoretical and practical based approaches
- Mechanical component identification, operation and repair
- Folio compilation and submission

Year 8 Digital Technologies

Semester Length: 1 semester

Subject Fee: \$0

What is studied?

Within this subject student learning is based upon the following key knowledge and concepts:

- Design, create, manage and evaluate sustainable and innovative digital solutions to meet and redefine current and future needs
- Computational thinking and the key concepts of abstraction;
- Systems thinking to monitor, analyse, predict and shape the interactions within and between information systems and the impact of these systems on individuals, societies, economies and environments
- Use digital systems to efficiently and effectively automate the transformation of data into information and to creatively communicate ideas in a range of settings
- Apply protocols and legal practices that support safe, ethical and respectful communications and collaboration with known and unknown audiences.

What type of work is done?

Within this subject student learning is developed and assessed through:

- data collection
- representation and interpretation
- specification and algorithms
- development to create digital solutions
- Folio compilation and submission

Year 8 Food Studies

Semester Length: 1 semester

Subject Fee: \$40

What is studied?

Within this subject student learning is based upon the following key knowledge and concepts:

- Students will learn to understand and use design briefs
- Global and consumer issues from around the world
- Food preparation skills and nutritional needs for good health in adolescence
- Designing, modifying, producing and evaluating food products

What type of work is done?

Within this subject student learning is developed and assessed through:

- Investigating, designing, producing and evaluating a variety of food products.
- Research of their own nutritional needs
- Application of knowledge to analyse personal diet using computer program tasks.
- Food preparation, consumption and evaluation
- Folio compilation and submission

Year 8 Makers and 3D Printing

Semester Length: 1 semester

Subject Fee: \$20

What is studied?

Within this subject student learning is based upon the following key knowledge and concepts:

- Understand and use of design briefs
- Combination of new technologies, such as 3D printing and solar panels with simple materials to build working models to solve a problem
- Designing, creating, managing and evaluation of sustainable and innovative solutions to meet and redefine current and future needs
- Applications of 3D Printing and engineering solutions

What type of work is done?

Within this subject student learning is developed and assessed through:

- Investigating, designing, producing and evaluating products.
- Research of client profile and client needs
- Application of knowledge to analyse needs and problems using computers and hardware
- Develop skills in investigative research
- Utilise electro technology applications
- Folio compilation and submission

Year 8 Materials

Semester Length: 1 semester

Subject Fee: \$20

What is studied?

Within this subject student learning is based upon the following key knowledge and concepts:

- Strategies for understanding design needs and opportunities,
- Visualising and generating creative and innovative ideas
- Planning, and analysing and evaluating the ideas that best meet the criteria
- Materials and their joining technologies
- Using simple materials to build working models to solve a problem

What type of work is done?

Within this subject student learning is developed and assessed through:

- Investigating, designing, producing and evaluating products.
- Research of client profile and client needs
- Application of knowledge to analyse needs and problems using materials and joining technologies
- Develop skills in investigative research
- Utilise tools and equipment appropriate to a product
- Folio compilation and submission

Year 8 Textiles

Semester Length: 1 semester

Subject Fee: \$30

What is studied?

Within this subject student learning is based upon the following key knowledge and concepts:

- Strategies for understanding design needs and opportunities to use textiles as a material
- Visualising and generating creative and innovative textile projects
- Planning, and analysing and evaluating the ideas that best meet the criteria
- Different textile material and their uses
- Using textiles as a material to manufacture a product that solves a problem or need

What type of work is done?

Within this subject student learning is developed and assessed through:

- Investigating, designing, producing and evaluating products.
- Research of client profile and client needs
- Application of knowledge to analyse needs and problems using textile materials
- Develop skills in investigative research
- Utilise tools and equipment appropriate to a product