

# Year 10 Course Selections

**2021**



## Introduction

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 of Education (VCE) and Vocational Educational Training (VET) based subjects 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.

## Subject Availability

While subjects are offered within this Course Selection Guide, once students undertake their subject selections BSE will make decisions about running subjects based on the demand and resources for each subject. Subjects selected by a small number of students may be withdrawn. When a subject is withdrawn, students will be notified and their back-up subject choices will be used and/or further course counselling will be undertaken.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 significantly lower levels of performance in Literacy and Numeracy. In future years the gaps in knowledge and skills are rarely made up. Strong attendance provides continuity in student’s 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. The school does not provide an individual learning program as part of the student’s absence due to a holiday during the term.

## Students' Attendance in VCE and VET Subjects

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 rescheduled. If this situation occurred the student would not be scored for this SAC and may risk failing the subject. As per our VCE policy, students must attend at least 80% of classes in total across the year. For more information about VCE subjects please read our [VCE policy](#).

## Subject Fees

**Please note: The subject fees shown in this booklet are indicative only** and are under review by College Council as part of the annual ratification process. The final list of fees/charges will be included in the 2021 book lists which are distributed later in the year.

## Head Start Program

Head Start is a newly introduced State Government program that supports senior students in finding and completing a school-based apprenticeship or traineeship (SBA) while they are at Secondary School. Students can undertake a Head Start apprenticeship or traineeship whilst they are undertaking Year 10 at BSE and progress onto either VCE or VCAL programs at Bendigo Senior Secondary College.

Head Start is designed to give students the confidence, capabilities and skills that employers need. Employers want apprentices and trainees to have strong levels of Literacy and Numeracy as well as employability skills. Students interested in a Head Start apprenticeship or traineeship must be committed to successfully completing Year 12 through either a VCAL or VCE program to support the development of their Literacy and Numeracy skills.

If a student is successful in being placed in a Head Start apprenticeship or traineeship they are supported with school-based case management from our Head Start Coordinator, Tara Kirk. They gain quality-assured apprenticeship training through TAFE or Skills First training providers. Year 12 completion of a VCE or VCAL certificate is achieved, accompanied by significant progress towards, or completion of their chosen trade qualification. Students also receive payment of a fair training wage and pathway into a priority industry career.

Head Start apprenticeships and traineeships are available in 27 qualifications encompassing industries such as building, construction, community services and health, business and primary industries. The amount of time spent in the workplace during the school terms will increase each year of the Head Start apprenticeship or traineeship. Usually, in Year 10 students will spend 1 day per week undertaking work and training, with this time increasing up to 3 days per week in Year 12. Students are also most likely required to work full time within their apprenticeship during school holiday periods, excluding their entitlement of 4-weeks of annual leave.

## Selecting Your Year 10 Program

A Year 10 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. This Course Selection Booklet provides updated information to assist students to make subject choices for 2020; and as such is a live document, which may be subject to change.

### Subject Selection

Students are expected to draw upon a variety of resources and people who can assist them to select their subjects and learning program. To fully understand the subject content and expectations, it is essential that students and parents carefully read the description of any subject in which a student has an interest. Fees indicated for subjects are an approximation only. These fees are yet to be ratified by the BSE School Council and will be confirmed in the 2021 booklists.

### Undertaking a VCE Subject in Year 10

Bendigo South East College provides Year 10 students the opportunity to accelerate into a **single** VCE within their Year 10 program. The advantages of a student accelerating can include:

- Gaining an early understanding of the level of rigour needed to successfully undertake VCE subjects;
- Setting up a pathway to completing six Unit 3/4 subjects as part of a VCE, which can enhance a student's ATAR score at the end of Year 12;
- Enabling a student to study an additional subject of interest that may not fit into a future Year 11 and/or Year 12 program.

A student considering undertaking an accelerated program should:

- Have consistently high levels of attendance and academic achievement;
- Display effective time management and study skills;
- Have confidence that they can cope with the additional demands involved in undertaking a VCE subject without the creation of undue stress;
- Be able to explain how an accelerated program will assist them to improve their learning outcomes;
- Have undertaken discussions with their current classroom teachers, parents and other relevant staff as to the suitability of acceleration within their program;
- Demonstrate a commitment to all subjects within their Year 10 program. This will ensure a consistent foundation for future learning.

Undertaking a VCE subject is not grounds for the student to request a reduction in subject load.

***Student's that wish to apply to undertake an Accelerated VCE Units 1&2 subject in year 10 must complete the expression of interest and application form found on our college website.***

## Undertaking a VET subject in Year 10

Studies in VET subjects at Bendigo South East College provide a strong insight and lead into students considering VET subjects within Year 11 and 12. A student may select VET subjects as part of their Year 10 program.

## Undertaking the Foundation VCAL course in Year 10

Foundation VCAL aims to provide the skills, knowledge and attributes to enable students to make informed choices about employment and education pathways. It is designed to prepare students for further education, training or employment by providing them with work-related experience, literacy and numeracy skills and an opportunity to develop personal skills.

Core Subjects of Foundation VCAL:

- Literacy
- Numeracy
- Personal Development skills (PDS)
- Work related skills (WRS)

Foundation VCAL students will replace mainstream Year 10 English, Maths, Science and Humanities with the Foundation VCAL core units, however they will still do mainstream Physical Education and electives.

As part of the VCAL program, students are required to choose a VET certificate to undertake. At BSE the programs available are:

- VET Automotive
- VET Building and Construction
- VET Hospitality

*An example Foundation VCAL subject load:*

- 10 VCAL English
- 10 VCAL Personal Learning
- 10 VCAL Mathematics
- 10 VCAL Work Related Skills
- 10 Visual Arts
- 10 Physical Education
- VET Hospitality

***NOTE:*** Any student applying for Foundation VCAL *must* do mainstream Year 10 subject selections (including 10 English, 10 Maths, 10 Science, 10 Humanities, plus PE and electives), once the student is accepted into the VCAL program appropriate subject changes will be made.

**Assessment in VCAL:**

Each core subject in Foundation VCAL has a set of Learning Outcomes (LO's) which must be achieved in order to successfully gain the VCAL certificate. These Learning Outcomes are set by the Victorian Curriculum and Assessment Authority (VCAA), in order for a student to be classed as 'competent' in each outcome, they must demonstrate the skill *at least twice* across the course of the year.

*Literacy:* 12 LO's across Reading, Writing, and Oracy

*Numeracy:* 5 LO's

*PDS:* 10 LO's across Unit 1 & 2

*WRS:* 10 LO's across Unit 1 & 2

A student considering undertaking the Foundation VCAL program should:

- Have consistently high levels of attendance
- Have a positive work ethic and low Learning Culture count
- Be able to explain how VCAL will assist them in their current schooling as well as future employment/career path.
- Have undertaken discussions with their current classroom teachers, GA / HA, parents and other relevant staff as to their suitability for the program.

To become part of the Foundation VCAL program at BSE, students must submit a written expression of interest form found on our Website.

***Student's that wish to apply to undertake the Foundation VCAL program in Year 10 must complete the expression of interest and application form found on our college website.***

## Year 10 Subject Offerings Summary

CORE SUBJECTS				
English	Health and PE	Humanities	Mathematics	Science
English English Literature	Health and Physical Education, which may include one semester of either: <ul style="list-style-type: none"> <li>• Healthy Girls</li> <li>• Recreation and Games</li> <li>• Health &amp; PE (Core)</li> </ul>			

ELECTIVE SUBJECT CHOICES				
The Arts	Languages	Multi Disciplinary	Technologies	VCE Subjects
Academy of Creative Arts (ACA)	VET Chinese - Certificate II	Human Powered Vehicles	Digital Technologies	VCE Biology
Dance	VET Indonesian - Certificate II	Outdoor Education	Food Studies	VCE Business Management
Digital Photography	VET German - Certificate II	STEM	Metalwork	VCE Health & Human Development
Drama			Textiles	VCE Physical Education
Media Studies			VET Automotive	VCE Psychology
Multimedia			VET Building and Construction	
Music			VET Hospitality	
Production			Woodwork	
Sculpture				
Visual Arts				
Visual Communication & Design				

## Requirements of a Year 10 Program

In Year 10 students undertake the following program made up of compulsory and elective subject options. Students will study seven subjects in total each semester.

### Rules for Core Subjects:

1. Students must undertake two semesters of English, Mathematics, Science, Humanities and Health & Physical Education (either HPE or ADP).
2. At Year 10 students are given the option to choose either English or English Literature for the entire duration of the year.
3. At Year 10 students are given the option to choose one elective HPE subject within their HPE course for one semester only. Costs, as a subject fee, will apply.

### Rules for Elective Subjects

Students may then undertake four single semester electives of their own choice drawn from the Arts, Technology, Languages and Multidisciplinary learning areas. The following rules apply:

1. Students studying ACA must select it in two elective 'slots' (as the subject is a full year course)
2. Students studying Music must select it in two elective 'slots' (as the subject is a full year course)
3. Students studying a Language must select it in two elective 'slots' (full year course)
4. Students wishing to select a VCE subject must select it in two elective 'slots' (as the subject is a full year course).
5. All VCE subjects are electives and are studied in addition to their Core Subject. For example, students electing to study VCE Biology must also study the Core Science curriculum.
6. Students wishing to select VET Building and Construction or VET Automotive subjects must take them in two elective 'slots'. Students may select more than one VET subject as part of their program.
7. Students wishing to select VET Building and Construction or VET Automotive subjects must undertake additional studies to fulfil the requirements of these courses during Work Experience week or other denoted times throughout the year.

# Subject Offerings and Descriptions

## The Arts Learning Area

### Academy of Creative Arts (ACA)

**Subject Length:** 2 semesters

**Subject Fee:** \$1000 *(To Be Confirmed)*

If you are interested in furthering your development in the field of dance, drama, visual arts or vocals, this subject is for you! The Academy of Creative Arts (ACA) program offers aspiring artists the opportunity to develop their own goals to work towards in their chosen field. The program also invites practicing artists to run Masterclasses for students. These Masterclasses occur before and after school each week.

#### What is studied?

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

- Self-promotion
- Artist information
- Analytical frameworks
- Concepts

#### What type of work is done?

Within this subject student learning is developed and assessed through:

- Theme development
- Creating works
- Presenting works
- Critiques

#### Additional Information

This is a SELECT ENTRY program. Entry into the program undertaken through a separate ACA application and audition/interview. Students wishing to be part of the ACA program that are not continuing from the previous year should contact the ACA Manager to discuss potential entry into the program.

In timetabled classes, students will be engaging in a coaching environment to work independently or in collaboration with their peers to generate and present works in their chosen field.

## Drama

**Subject Length:** 1 semester

**Subject Fee:** No cost

If you would like to develop your self-confidence through games and performances (both scripted and self-devised), then Drama is for you! In this class, you will have the opportunity to build your skills and knowledge about acting and performing in theatre by utilising the conventions of a range of theatre practitioners and developing polished performances to present to your peers and the wider community – and have a lot of fun in the process.

### What is studied?

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

- Elements of Drama and Stagecraft
- Character development and profiling
- Performance Conventions
- Performance Techniques

### What type of work is done?

Within this subject student learning is developed and assessed through:

- Improvisation Activities
- Character Profiling
- Script Analysis
- Rehearsal
- Performance

### Additional Information

Students may work up a performance as a small ensemble, or as a whole class, depending on student agency.

## Digital Photography

**Subject Length:** 1 semester

**Subject Fee:** \$40 (*To Be Confirmed*)

If you are an aspiring Photographer seeking to gain the skills and knowledge of photographic techniques, processes and post production, or if you just enjoy the creative process of capturing the world that we live in, this subject is for you. Digital Photography will offer you the opportunity to explore the theoretical and technical skills of a DSLR camera, editing software and analysing artists and their works. This subject will challenge you creatively to consider the world from a different perspective using various techniques. Through annotations, you will also develop your literacy skills and ability to discuss and express your ideas.

### What is studied?

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

- Technical and theoretical aspects of digital SLR camera
- Technical and theoretical aspects of industry-standard editing software
- Analysing photographic works using the Analytical Frameworks
- Development of a folio
- Development of technical skills through Photographic Techniques and Compositional Rules

### What type of work is done?

Within this subject student learning is developed and assessed through:

- Folio
- Produce photographic works
- Written analysis
- Annotations of photographic works
- Written essay and end of semester exam

## Media Studies

**Subject Length:** 1 semester

**Subject Fee:** No fee

In Year 10 Media, students will focus on narrative structure of film making through theoretical and practical tasks. Students will study two films, one is their choice relating to a particular genre and analyse how the Story Elements are used. They will then use this understanding learned to write a treatment, a script then storyboard their narrative to create their own film based on their chosen genre. Students will also undergo workshops on sound, cinematography, lighting and editing to assist their filmmaking process.

### What is studied?

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

- Story Elements of Film
- Design Process
- Film Production
- Film narrative creation and understanding
- Editing techniques

### What type of work is done?

Within this subject student learning is developed and assessed through:

- Story Elements of Film; Students study two film texts, one of them is chosen by the student to help influence the type of genre they wish to study and create.
- Design Process; Pre-Production work to create a narrative and guidelines to create a short film.
- Film Production; Using knowledge gained from the Production Elements and following their Design
- Process, students will create a short film.
- Documented Production Journal

## Multimedia

**Subject Length:** 1 semester

**Subject Fee:** No fee

This subject would suit you if you are interested in computers. You will look at animation, film, digital art, and minor elements of coding.

### What is studied?

Multimedia is a wide ranging subject that covers a huge range of digital applications, including but not limited to;

- digital art and design
- animation, film, 3D modelling
- website design
- game development
- app development
- coding.
- processes involved in designing, developing and creating digital media for a range of audiences and needs

### What type of work is done?

- short directed tasks to demonstrate and develop skills in a range of software packages and techniques
- work collaboratively on the same task
- self directed major project using chosen software
- Time management
- feedback and assistance from the teacher throughout the project

## Music

**Subject Length:** 2 semesters

**Subject Fee:** Tuition \$335 for 1 year. \$140 per year for instrument hire if required. **(To Be Confirmed)**

Year 10 students have the opportunity to develop skills which lead to VET and VCE music. Year 10 students have a class per week which is dedicated to preparing skills in performance, theory, composition and music appreciation. Students also gain more experience in using sound and recording equipment. Year 10 students also participate in ensembles, such as Concert Band, String Ensemble, Choir and Guitar Ensemble. Students will be rehearsing and playing music in every session. Voice, guitar and percussion students work in a Rock band program once per week, rehearsing and recording songs.

Strings and Concert band students work to develop much more challenging pieces, learning more about different styles. They will get the opportunity to travel to competitions in Melbourne to perform and participate with other schools.

There are a wide range of extra ensembles and bands which students can join. We have two jazz bands, saxophone and brass ensembles and practice rooms are available for rock bands and small groups to use.

Lessons and instrument hire are available.

We cater for those who've already been learning by providing more advanced ensembles for them to work in but can take beginners. Contact us if you have questions.

We welcome students who have private music teachers, but also have a team of specialist music staff from the Bendigo Instrumental Music Program who provide weekly lessons.

More information can be found here:

<https://www.bse.vic.edu.au/music-program>

[<<<<<ENROLL HERE>>>>>](#)

Information videos will be posted on the school website and shared on BSE social media. Stay tuned!

### What is studied?

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

- Listening to, and interpreting a range of music styles
- Developing group and solo performance and presentation skills
- Developing focused practice and rehearsal skills
- Building greater aural awareness, skills, and knowledge

- Gaining knowledge of historical and cultural influences on music
- Theory and knowledge of musical terminology
- Creative skills in improvising, composition and interpreting music

**What type of work is done?**

Within this subject student learning is developed and assessed through:

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

## Production

**Subject Length:** Semester 2 only

**Subject Fee:** \$60 (*To Be Confirmed*)

Production is a highlight of the secondary school calendar. BSE has a reputation of producing high-quality performances every year. The production is for students who are ready to take up new opportunities and for those who already have lots of experience. There is an important role for everyone.

### What is studied?

- Students learn music, script and movement from a professional stage show
- Students have the opportunity to learn how lighting, sound, movement, music, dance, costumes and makeup work together to communicate to an audience.
- Students learn the value of critical feedback through creative expression
- students develop their cognitive abilities and build confidence
- Students develop creative thinking
- Growth in independence and interdependence
- Students develop their communication skills
- Students develop their critical thinking

### What type of work is done?

Within this subject student learning is developed and assessed through:

- Voice and movement work
- Character analysis - analysing and perfecting character
- Participation in the rehearsal process - working in a collaborative setting
- Students have the opportunity to perform in a professional theatre environment

### Additional Information

On selecting this subject, students will be called upon to audition for a role early in the year. They will be allocated roles based on their demonstration of their acting, singing and dancing abilities. All students will perform on stage in two matinees and two evening shows in November.

**Students in lead roles will begin working during Semester 1, with rehearsals to be held outside of school hours. There are opportunities to volunteer during production week for lighting, sound, makeup, hair, music, props and costumes. Please contact Mr. Murray if you are interested.**

## Sculpture

**Subject Length:** 1 semester

**Subject Fee:** \$35 (*To Be Confirmed*)

Within the subject area of Sculpture, students will explore and respond to hand-building techniques using a wide variety of mixed medium materials such as clay, mod rock, paper clay, plaster, and modelling wire. Students will create and hand sculpt unique 3-dimensional forms, implementing various mixed medium materials.

### What is studied?

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

- Students in Sculpture will develop their exploration into a variety of techniques and mixed medium materials to create final sculptural outcomes
- Students will develop their knowledge of Art language and analytical skills through looking at other artists' work
- Students will investigate the design process to generate and develop final sketches and presentations
- Develop a variety of drawing skills to visualise three-dimensional sculptural layouts
- Students will use the pottery wheel to develop a higher knowledge of learning and skill set
- Students will create and present final sculptural outcomes for display and exhibition purposes

### 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

## Visual Communication and Design

**Subject Length:** 1 semester

**Subject Fee:** No fee

Visual Communication is for any student who likes to create designs using Photoshop and enjoys designing logos, advertisements and products. Students will learn how to use Photoshop whilst learning other drawing techniques and skills. Students investigate their ideas through using the design process to create a range of different digital and hand drawn designs and presentations. Students focus on the main three areas of design and the design process in preparation for VCE Units 1-4.

### What is studied?

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

- Exploration into the three main areas of design- Communication (Logos / Advertising), Environmental (Architecture) and Industrial (Products)
- Investigation into the design process to generate and develop designs and presentations
- Use Photoshop to create designs
- Develop a variety of different drawing and rendering skills
- Creating your own design brief to create final 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
- Drawing and Photoshop
- Design Analysis
- Exam

## Dance

**Subject Length:** Semester 1 only

**Subject Fee:** \$40 (*To Be Confirmed*)

Do you have a story to tell? A great story can change the way people think about the world around them. Wakakirri is a Story Dance Festival where schools aim to do just that.

Students create a 3-7 minute performance by a group of students that theatrically tells a story using a combination of dancing, acting and creative movement to pre-recorded music. Schools can tell any story and use any combination of dance, creative movement, acting, music, props, costumes, sets, and in some cases; film, projections and singing.

### What is studied?

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

- Exploration into aspects of choreography to create a performance piece
- How to create a performance for specific target audience
- How to lead and teach ensemble choreography
- How to successfully communicate with different audiences through the use of dance and movement
- Develop a variety of ideas, designs and concepts for a theme
- Investigate themes and issues that could be communicated through dance and movement
- Integrate and use convincingly costumes, makeup, sound and lighting design into a performance piece
- Design and create sets, props, makeup and costume designs

### What type of work is done?

Within this subject student learning is developed and assessed through:

- Student workbook of ideas, stagecraft and self-reflection
- Annotation of design concepts and ideas
- Rehearsal, development and refinement of dance technique
- Performance at Ulumbarra Theatre in a National Competition event.
- Exam

### Additional Information

Students are required to attend all Wakakirri performances and competition events ([www.wakakirri.com](http://www.wakakirri.com)).

## Visual Arts

**Subject Length:** Semester 1 only

**Subject Fee:** \$30 (*To Be Confirmed*)

The course is structured around developing an artistic skill set and then applying this skill set to design a major artwork of their own. Students can choose a medium to specialise in, or they can choose to work with a range of mediums. This will enable the student to create a major artwork of their own, developing their skills and knowledge through their selected artistic process. Students will be given opportunities to visit local and surrounding galleries and will be mentored by specialist teaching staff who will assist students to meet their goals. Staff will provide students with a range of workshops throughout the semester to expand students' practical skills, introducing students to a variety of artists and artistic practices, to assist them with their transition into art programs in years 11 and 12.

Year 10 Visual Art provides students with the opportunity to work using a variety of mediums, including:

- Painting
- Drawing
- Collage
- Printmaking

### What is studied?

- Students are introduced to a variety of mediums and practical techniques
- Students are introduced to a variety of artists both contemporary and historical (pre 1990's and post 1990's)
- Students are introduced to Analytical Frameworks (Personal, Cultural, Contemporary and Structural) and will use these to analyse and interpret the artworks of others
- Students use the design process to create a major artwork of their choice

### What type of work is done?

Within this subject student learning is developed and assessed through:

- Developmental folios
- Artwork Analysis Tasks
- Major Artwork
- Comparative Essay
- Exam

# English Subjects

## English (Core)

**Subject Length:** 2 semesters

**Subject Fee:** No fee

English is a compulsory subject in Year 10. Students studying English will complete a range of reading, writing and speaking and listening activities to further their communication and literacy capabilities. Students can choose from studying English or Literature for two semesters. The English you choose is a year long subject.

### What is studied?

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

- Presentation of an Issue – Oral presentation
- Text Studies – Novel and Shakespeare
- Language Analysis
- Comparative text study

### What type of work is done?

Within this subject student learning is developed and assessed through:

- A range of writing responding to Australian Stories
- A creative response to a Shakespearean play
- A persuasive essay in response to a text
- Research and presentation of an issue
- Media analysis and an expository essay
- A variety of text types and analysis of their conventions
- Semester Examinations

### Additional Information

Students who complete this subject can go on to study Standard English, English Language or Literature in VCE studies.

## English Literature

**Subject Length:** 2 semesters

**Subject Fee:** No fee

English is a compulsory subject in Year 10. Students can choose from studying English or Literature for two semesters. Students studying Literature will complete a range of reading, writing and speaking and listening activities to further their communication and literacy capabilities. The English you choose is a year long subject.

### What is studied?

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

- Independent Reading Program
- Reading, writing, speaking and listening
- Novel Study – one teacher directed and one student directed
- Film Study
- Unpacking a play
- Poetry

### What type of work is done?

Within this subject student learning is developed and assessed through:

- Short answer questions and essays
- Group work
- A range of writing
- Discussions
- Oral presentations

### Additional Information

This subject is designed to give students a pathway into VCE Literature but is not compulsory. Students who complete this subject could go on to study Standard English or English Language.

## English as an Additional Language (EAL)

**Subject Length:** 2 semesters

**Subject Fee:** No fee

English as an Additional Language (EAL) is an English subject available to students who are new English language learners. This subject is aimed at providing new English learners with the basic English and skills required to socialise in Australia. Typically, these students have not learnt English as their primary language throughout their previous schooling. For further information, contact Ms. Sara Fletcher, the College's Learning Specialist: Inclusion.

### 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 and colloquial language
- Grammar functions to move from basic to the specific types demanded by different subjects and tasks
- Building use of English confidence across Reading, Writing, Speaking and Listening

### What type of work is done?

Within this subject student learning is developed and assessed through:

- 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. Students who qualify for English as an additional language (EAL) can study EAL for two semesters, each year.

# Health and Physical Education Subjects (compulsory)

## Health and Physical Education (Core)

**Subject Length:** 2 semesters

**Subject Fee:** No Fee

Health and Physical Education in year 10 requires students to study and demonstrate more challenging concepts when participating in practical activities. Students will have the opportunity to develop their leadership skills in a variety of settings plus will study health topics related to First Aid, Sexuality and Relationships.

### **What is studied?**

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

- Fitness: developing personalised fitness programs
- International Games: peer teach sessions
- Sport Education: developing, coordinating and participating in a structured sporting competition.
- Movement Analysis: statistics, analysing individual and team performance.
- First Aid: CPR, responding to emergencies, DRS ABCD
- Health: Gender, Sexuality & Relationships

### **What type of work is done?**

Within this subject student learning is developed and assessed through:

- Observational assessment of application within practical activities
- Formative assessment rubrics: self & teacher assessment
- Journal activities to demonstrate understanding of concepts
- Sport Education: performing various team and duty roles
- Health units are assessed through completion of workshops, collaborative activities, workbook tasks and summative assessments.
- Exams completed at the end of the semester

## Athlete Development Program (ADP)

**Subject Length:** 2 semesters

**Subject Fee:** \$1000 *(To Be Confirmed)*

ADP provides a program dedicated to improving educational and sporting outcomes for students. The program provides an opportunity for student-athletes to pursue their passion in a holistic academic and sport-based partnership.

The foundations are underpinned by the individualisation and specialist nature of this program. All staff have specialised and extensive skills & experiences to facilitate this program.

At a physical level, the program aims to provide student-athletes with long-term athletic development training within a secondary college environment. To complement this physical preparation, the program provides high level technical coaching in a variety of sports.

Emphasis is placed on integrating students' passions, academic progress, behavioural expectations and effort requirements. These are the cornerstone of the ADP program.

### **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
- 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 the subject is undertaken via a separate ADP application. Contact the ADP Manager for further information. Students wishing to be part of the ADP program, who are not continuing from the previous year should contact the ADP Manager to discuss potential entry into the program.

## Healthy Girls

**Subject Length:** 1 semester

**Subject Fee:** \$100 - covers costs of activities plus transport to community venues *(To Be Confirmed)*

Healthy Girls is a great opportunity for females to develop a deeper understanding of body image, the effects of social media, the importance of regular physical activity and good nutrition. There are regular visits to community facilities such as Fit Republic, Yoga, Fernwood and Z-Fit. Students also complete compulsory Sport Ed and Health units throughout the semester.

### **What is studied?**

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

- Body image, self esteem, self appreciation, resilience, mindfulness and gratitude
- Healthy eating and nutrition
- Effective participation in Sport Education program
- Analysing of fitness and levels of physical activity
- Respectful relationships, risk taking and building resilience

### **What type of work is done?**

Within this subject student learning is developed and assessed through:

- Observational assessment of application within practical activities
- Formative assessment rubrics: self & teacher assessment
- Performance analysis and reflection on fitness levels
- Health units are assessed through completion of workshops, collaborative activities and workbook tasks
- Summative assessment task at the conclusion of the health unit.
- Exams completed at the end of the semester

### **Additional Information**

This class is designed for female students who are interested in improving their overall physical, social and emotional health and fitness levels in a positive and encouraging environment.

## Recreation & Games

**Subject Length:** 1 semester

**Subject Fee:** \$100. Covers bus transport and participation in recreational activities in the community. **(To Be Confirmed)**

Recreation & Games is an elective unit aimed at students who are interested in trying different recreational activities that are available to them in the local community. Students will also participate in other recreational and lifelong sports on site that will challenge their ability to persist and adapt to different skills, rules and equipment. Students also complete compulsory Sport Ed and Health units throughout the semester.

### **What is studied?**

Examples of sports students could be exposed to in the community and onsite include:

- Lawn bowls
- Croquet
- Ten pin bowling
- Golf
- Archery
- Tennis
- Frisbee Games
- Speedminton
- Bocce

### **What type of work is done?**

- Practical participation in Recreational activities
- Journal entries to demonstrate understanding of different sports
- Research task on a specific sport of interest

## Health and Physical Education Subjects (Electives)

### Outdoor Education

**Subject Length:** 1 semester

**Subject Fee:** \$60 (*To Be Confirmed*)

Outdoor Education is for students who have a passion for the outdoors and the impact we are having on the environment. Students have the opportunity to attend a camp throughout the semester and build on their navigational skills, canoeing ability, understanding of minimal impact strategies and how we can create a more sustainable environment. Camp cooking and basic camping skills are put to the test when students attend their semester camp and engage in ongoing practical experiences throughout the semester.

#### **What is studied?**

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

- **Safe Participation and Teamwork:** On completion of this unit students should be able to demonstrate safe participation in outdoor activities as well as working cooperatively with others to achieve common goals.
- **Risks and Motivations:** On completion of this unit students should be able to analyse and minimise risks in outdoor activities as well as describe motivations and personal responses that people have to outdoor environments and activities.
- **Healthy Outdoor Environments:** On completion of this unit students will be able to describe what makes an environment healthy or unhealthy, why healthy outdoor environments are important and some of the causes of an unhealthy environment.
- **Safe and Positive Participation in Practical Elements:** Effective preparation and participation is required in activities such as first aid, risk management in the outdoors, minimum impact practices, bushwalking, canoeing, navigation, orienteering, camping and cooking skills.

#### **What type of work is done?**

Within this subject student learning is developed and assessed through:

- Ongoing observational assessment and application within practical activities and course work.
- Participation in course Excursions and Overnight camping experiences (NB: User pays)
- Ongoing Formative Assessment tasks in relation to Minimal Impact Strategies and Sustainability, Trangia Cooking, Canoeing and First Aid components of the course.
- Summative assessment tasks in relation to risk analysis, planning and implementing safe camping practices and a reflection of personal experiences.
- At the conclusion of the Outdoor Education unit students will also be able to demonstrate their knowledge of the course as a whole through our end of Semester Exam.

## VCE Health and Human Development (Units 1 and 2)

**Subject Length:** 2 Semesters

**Subject Fee:** \$30 (*To Be Confirmed*)

VCE Health and Human Development studies the concept of health and wellbeing, development across the human lifespan and considers the factors that promote optimal health and development. In Unit 1, students focus on the dimensions of health and wellbeing, nutrition, and youth health and wellbeing. In Unit 2, students focus on developmental transitions and Australia's health care system.

### **What is studied?**

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

- Health and human development across the lifespan including developmental changes from youth to adulthood
- Dimensions of health and wellbeing
- Food and nutrition as foundations for good health and wellbeing
- Health and wellbeing of Australia's youth
- Healthy and respectful relationships
- Australia's health system

### **What type of work is done?**

Within this subject student learning is developed and assessed through:

- Class discussions
- Case study investigation and analysis
- Visual presentations
- Research tasks
- School Assessed Coursework (SAC)
- End of Semester exams

### **Additional Information**

Students will also need to purchase a text book for this subject.

## VCE Physical Education (Units 1 and 2)

**Subject Length:** 2 semesters

**Subject Fee:** No fee

Throughout Unit 1, students explore how the musculoskeletal and cardiorespiratory systems work together to produce movement. Through practical activities students explore the relationships between the body systems and physical activity, sport and exercise, and how the systems adapt and adjust to the demands of the activity.

In Unit 2 students develop an understanding of physical activity, sport and society from a participatory perspective. Students are introduced to types of physical activity and the role participation in physical activity and sedentary behaviour plays in their own health and wellbeing as well as in other people's lives in different population groups.

### **What is studied?**

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

- Systems of the human body, how they are used and how it can affect movement
- Skeleton, muscles, circulatory, respiratory and energy systems
- The relationships between physical activity, sport, health and society
- Contemporary issues associated with physical activity and sport

### **What type of work is done?**

Within this subject student learning is developed and assessed through:

- Participation in workshops/labs and practical experiences
- Case study and data analysis
- School assessed coursework
- End of semester exam

### **Additional Information**

Students will also need to purchase a text book for this subject.

# Humanities Learning Area

## Humanities

**Subject Length:** 2 semesters

**Subject Fee:** No Fee

The Humanities includes four interdisciplinary strands: Civics and Citizenship, Economics and Business, Geography and History. These four stands will be covered over the two year band of Years 9 and 10. Humanities is a compulsory subject at Year 10. The Humanities provides a framework for students to examine the complex processes that have shaped the modern world and to investigate responses to different challenges including people's interconnections with the environment.

### What is studied?

Student learning is based upon the following key knowledge and concepts:

- Social Justice – Rights and Freedoms
- Modern Conflict – Holocaust
- Geography of Human Wellbeing
- Economics - Financial Literacy & Ethics
- Work Experience/Career Education/Pathways

### What type of work is done?

Within this subject student learning is developed and assessed through:

- MultiModal
- Essay Writing
- Information Report
- Analysis and Short Answer Responses
- Film/Comparative Studies
- Research Assignments
- Historical inquiry
- Primary source analysis
- Group research tasks and presentations
- Summative Exam
- Fieldwork
- Class discussions

## VCE Business Management (Units 1 and 2)

**Subject Length:** 2 semesters

**Subject Fee:** No Fee

VCE Business Management examines the ways businesses manage resources to achieve objectives. VCE Business Management study design follows the process from the first idea for a business concept, to planning and establishing a business, through to the day-to-day management of a business in Units 3 and 4. It also considers changes that need to be made to ensure continued success of a business. Students develop an understanding of the complexity of the challenges facing decision makers in managing these resources. Students learn to propose and evaluate alternative strategies to contemporary challenges in establishing and maintaining a business.

### What is studied?

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

- Small business operations and success evaluation
- Business formation and business development
- External and internal factors affecting the operations of a business
- Planning and establishing a business including governance requirements, staffing and establishing a customer base
- Unit 1: Planning a Business
- Unit 2: Establishing a Business

### What type of work is done?

Within this subject student learning is developed and assessed through:

- Creating and Running a Small Business
- Creating an item to sell at a Trade Show along with interpreting Case Studies on each of the main topics

### Additional Information

This subject is designed to give students a pathway into VCE Business Management.

Students will also be required to purchase the relevant text book, which is approximately \$90.00 new. You will need to check with subject teachers prior to purchasing to ensure you have the correct copy.

## Languages Learning Area

### VET Certificate II in Applied Languages (Chinese)

**Subject Length:** 2 semesters

**Subject Fee:** No fee

Chinese is a vibrant, exciting and interactive course intended to have a practical value for students, enabling them to listen, read, speak and write the language as it is written and spoken in China.

Exciting extension activities outside the classroom enrich personal skills and resources and make learning fun. Our speech competition, cultural immersion day, languages evening, Chinese dancing, fashion show, festivals celebration, calligraphy art, Chinese food tasting and restaurant visits are enjoyable activities which help to foster the spirit of language learning.

Completion of year 10 Chinese will allow students to proceed to VCE Chinese Second Language or Chinese Language, Culture and Society, both of which have the added advantage of an ATAR increase (for Units 3-4) of around 10% scaled up. A second language is beneficial for entering many careers such as tourism, hospitality, community services, medicine, digital technology and translation careers.

#### What is studied?

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

- Development of spontaneous language skills
- Listening, speaking, reading and writing for social purposes
- Listening, speaking, reading and writing at a workplace
- Building upon known Chinese grammar and vocabulary to extend understanding to new concepts

#### What type of work is done?

Within this subject student learning is developed and assessed through:

- Listening, speaking, reading and writing for social purposes.
- Listening, speaking, reading and writing at a workplace
- Tasks include emails, letters, forms, diagrams and maps.
- Participation in Harmony Day

#### Additional Information

Students will be completing Certificate II in Applied Languages. This certificate is a nationally recognised qualification and is competency based. Students should have a continuous study in Chinese prior to selecting this subject choice. This subject provides a lead into the study of VCE Chinese.

## VET Certificate II in Applied Languages (German)

**Subject Length:** 2 semesters

**Subject Fee:** No fee

Year 10 German continues to build skills in grammar and fluency, focusing on practical language skills for everyday communications. Students continue to gain an understanding of what it is like to use the language in real-life situations, complemented by exposure to authentic texts such as films, stories and interviews.

This exciting and fun-filled course gives students an opportunity to prepare themselves for the *German exchange*. Our sister schools are located near Frankfurt and Munich in Germany.

Topics are particularly relevant to social settings and integrate speaking and listening, reading and writing. The annual exchange with our sister school in Germany, reciprocated by their exchange to BSE, provides further opportunities for in-depth language use with native German speakers, and further promotes cross-cultural communication and understanding. Friendships developed through these exchanges are often long-lasting and lead to significant travel opportunities and ongoing cultural exchange.

Completion of year 10 German will allow students to proceed to VCE German, which has the added advantage of an ATAR increase (for Units 3-4) of around 10% scaled up. A second language is beneficial for entering many careers such as tourism, hospitality, community services, medicine, translation careers and particularly engineering.

### What is studied?

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

- Development of spontaneous language skills
- Listening, speaking, reading and writing for social purposes
- Listening, speaking, reading and writing at a workplace
- Building upon known Indonesian grammar and vocabulary to extend understanding to new concepts

### What type of work is done?

Within this subject student learning is developed and assessed through:

- Listening, speaking, reading and writing for social purposes.
- Listening, speaking, reading and writing at a workplace
- Tasks include emails, letters, forms, diagrams and maps.
- Participation in Harmony Day

### Additional Information

Students will be completing Certificate II in Applied Languages. This certificate is a nationally recognised qualification and is competency based. Students should have a continuous study in German prior to selecting this subject choice. This subject provides a lead into the study of VCE German.

## VET Certificate II in Applied Languages (Indonesian)

**Subject Length:** 2 semesters

**Subject Fee:** No fee

Year 10 Indonesian continues to build skills in social communication and Indonesian fluency, focusing on practical language skills for everyday interactions. Students continue to gain an understanding of what it is like to use the language in real-life situations, complemented by exposure to authentic texts such as films, songs, emails and interviews. This worthwhile and action packed course gives students an opportunity to prepare themselves for the Indonesian exchange. The exchange program with our sister school in Indonesia is reciprocated annually by their exchange to BSE and provides additional opportunities for real-life language use with native Indonesian speakers. This exchange promotes the bilateral nature of our Pacific relationship with Indonesia through social communication and cultural understanding. Friendships developed through these exchanges are often long-lasting and lead to significant travel opportunities and career opportunities.

Completion of year 10 German will allow students to proceed to VCE Indonesian, which has the added advantage of an ATAR increase (for Units 3-4) of around 10% scaled up comparison. A second language is beneficial for entering many careers such as tourism, hospitality, community services, medicine and translation careers.

### What is studied?

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

- Development of spontaneous language skills
- Listening, speaking, reading and writing for social purposes
- Listening, speaking, reading and writing at a workplace
- Building upon known Indonesian grammar and vocabulary to extend understanding to new concepts

### What type of work is done?

Within this subject student learning is developed and assessed through:

- Listening, speaking, reading and writing for social purposes.
- Listening, speaking, reading and writing at a workplace
- Tasks include emails, letters, forms, diagrams and maps.
- Invitation to participate in statewide Sayembara Lisan speaking competition
- Restaurant excursion
- Participation in Harmony Day

### Additional Information

Students will be completing Certificate II in Applied Languages. This certificate is a nationally recognised qualification and is competency based. Students should have a continuous study in Indonesian prior to selecting this subject choice. This subject provides a lead in to the study of VCE Indonesian.

# Mathematics Learning Area

## Mathematics

**Subject Length:** 2 semesters

**Subject Fee:** No fee , textbook required (See Booklist)

Mathematics provides students with access to important mathematical ideas, knowledge and skills that they will draw on in their personal and work lives. The curriculum also provides students, as life-long learners, with the basis on which further study and research in mathematics and applications in many other fields are built.

### 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:

- Teacher Directed Instruction
- Differentiated Maths Workshops
- Note Taking
- Application/Rich Task Activities
- Topic Tests
- End of Semester Summative Exam

### Additional Information

The BSE Maths program provides a continuum of mathematical learning and allows for the differentiation for each student. Students utilise a textbook to support their learning, this is also supplemented by online resources and worksheets.

Advanced Mathematical concepts will be explored in all Maths classes. There may be times when class groupings in Maths explore high level mathematics designed for Maths Methods or Specialist Maths at a VCE level. These pathways will be allocated according to students' prior Mathematical work habits and achievements.

## Science Learning Area

### Science (Core)

**Subject Length:** 2 semesters

**Subject Fee:** \$5 levy (*To Be Confirmed*)

The Year 10 Science program is a year long compulsory subject. It will provide students with learning opportunities to investigate and explain scientific phenomena and theories and apply them to real-life situations. Students will develop their scientific literacy and build on experiment report writing skills by collecting, testing and analysing observations and findings. The program also offers many opportunities to build on research and practical application tasks and laboratory techniques in preparation for VCE and beyond.

#### What is studied?

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

- Chemistry
- Biology
- Physics
- Environmental Science

#### 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

#### Additional Information

Students may attend workshops at La Trobe University to support and extend their classwork.

## VCE Psychology Units 1 and 2

**Subject Length:** 2 semesters

**Subject Fee:** \$60 (*To Be Confirmed*)

### What is studied?

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

#### Unit 1

- structure and function of the human brain and the role it plays in the functioning of the human nervous system.
- brain plasticity and the influence that brain damage may have on a person's psychological functioning.
- nature of psychological development
- A student-directed research investigation related to brain function and/or development

#### Unit 2

- Sensations and perceptions of vision and taste, factors contributing to perceptual distortions.
- What influence individuals to behave in specific ways, and how can others influence individuals to behave differently
- A practical investigation related to external influences on behaviour including the perceptual set

### What type of work is done?

Within this subject student learning is developed and assessed through:

- Excursion to the Melbourne Museum
- Poster and test SACs
- Research and practical investigation SACs
- Experimental investigation SAC
- Examination

### Additional Information

Students will be required to purchase the set textbook on the Booklist

## VCE Biology Units 1 and 2

**Subject Length:** 2 semesters

**Subject Fee:** \$50 (*To Be Confirmed*)

### What is studied?

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

- Unit 1:
  - How do organisms function?
    - Cells
    - Body Systems
    - Photosynthesis and Cellular Respiration
  - How do living systems sustain life?
    - Adaptations
    - Homeostasis
    - Relationships in ecosystems and biodiversity
  - Self-Designed Practical Investigation
  
- Unit 2:
  - How does reproduction maintain the continuity of life?
    - Cell cycle, stem cells and biotechnology
    - Sexual and asexual reproduction
  - How is inheritance explained?
    - DNA, genes and genomes
    - Mendelian genetics, Punnett Squares and Pedigrees
  - Investigation of a issue
    - Ethical issues in reproduction and genetics

### What type of work is done?

Within this subject student learning is developed and assessed through:

- data analysis and problem solving
- implementation of laboratory techniques and microscope use
- practical reports, class discussions and speakouts
- tests and exams

### Additional Information

Additional cost may occur if an excursion is included within the learning program

# Multidisciplinary Subjects

## Human Powered Vehicles

**Subject Length:** 1 semester

**Subject Fee:** \$140 (*To Be Confirmed*)

Students are involved with the racing and running of our Human Powered Vehicles (HPVs). Competing in the HPV schools' competition held periodically, students have the opportunity to participate in the design, construction, racing and maintenance of the vehicle. Students will follow the design process by writing a Design Brief, investigating, sketching possible designs, producing a working drawing and evaluating their final design.

### What is studied?

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

- Strategies for understanding design needs for competitive Human Powered Vehicles
- Visualising and generating creative and innovative solutions
- Planning, and analysing and evaluating the ideas that best meet the criteria
- Using materials and their joining technologies
- Using different materials and systems to build Human Powered Vehicles
- Racing Human Power Vehicles

### What type of work is done?

Within this subject student learning is developed and assessed through:

- Working in teams to investigate, design, produce and evaluate Human Powered Vehicles
- Developing skills and knowledge related to practical projects with a range of materials and techniques
- Working with materials such as carbon fibre, fibreglass, metals, plastics, and resins
- Applying knowledge to analyse needs and problems using materials and technologies
- Utilise tools and equipment appropriate to Human Powered Vehicles
- Participating in competitive racing as a team member
- Folio compilation and submission

### Additional Information

Human Powered Vehicles develop a student's ability for innovative and creative thought through team-based planning, development and building of a Human Powered Vehicles to be raced.

## STEM

**Subject Length:** 1 semester

**Subject Fee:** \$80 (*To Be Confirmed*)

Want to work with robots, virtual reality, lasers, 3D printing to design, create and test solutions for our local health, agricultural, environmental systems, or even cure diseases? Then choosing STEM is your foot in the door. Studying STEM means learning about the world around you, finding innovative solutions to real-world challenges, and playing a role in some of Bendigo's major discoveries and developments.

It has been predicted that 75 percent of all jobs will require STEM skills over the next decade, so it is highly recommended that STEM be considered as an elective in the middle years. STEM is important for our students because future jobs will require problem solving skills, innovation and creative thinking and digital skills. STEM will allow students to further develop what is currently covered in the SDL course. Students need to learn how to think critically and flexibly in order to adapt to this rapidly changing world.

In partnership with new state of the art Bendigo Tech School and local industries such as Thales, you'll have these opportunities and more to bring your ideas to reality in STEM. And don't forget — you'll be taught by professionals who are passionate about their fields. These include researchers, designers, engineers and seasoned industry experts who are all leaders in their fields. If you want to make a difference and use the latest and most up to date technology to immerse yourself into real world science issues, then this is the subject for you. Create your unique approach and use technology, drama, industry tours, laboratory work and field trips as all important components to add to your unique STEM journey.

### What is studied?

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

- Personal and Social, Intercultural, Ethical Critical and Creative Thinking
- Collaboration, Communication, Innovation, Creativity, Decision Making
- Metacognition, Deductive Reasoning
- Social Awareness & Management, Self-Awareness & Management

### What type of work is done?

Within this subject student learning is developed and assessed through:

- Design Thinking
- Team Formation & Collaboration Process
- Empathy, Ideation, Planning & Research
- Prototyping & Reflective Practice
- Tech Skill Acquisition
- Human Psychology
- Professional Communication

# Technology Subjects

## Digital Technologies

**Subject Length:** 1 semester

**Subject Fee:** \$20 (*To Be Confirmed*)

This subject provides the opportunity for students to develop skills in data representation and compression, understanding networks, understanding operating systems, studying the National Broadband Network (NBN), and data security, malware and data collection. Students also investigate web-site development, developing algorithms, writing programs and managing projects.

### 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 communication 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

## Food Studies

**Subject Length:** 1 semester

**Subject Fee:** \$85 (*To Be Confirmed*)

In this class students will explore the themes of 'Living Strong' 'Food Waste' and 'Make, Create and Evaluate' Students will continue to develop Design Briefs by investigating, generating ideas, producing and evaluating food products in a planned and managed way. They will consider how food waste impacts on society and explore strategies to minimise it. Students will utilise food preparation skills and knowledge of food properties to enable them to individualise outcomes considering the nutritional needs for good health in adolescence.

### 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

## Metalwork

**Subject Length:** 1 semester

**Subject Fee:** \$80 (*To Be Confirmed*)

Students design, make and evaluate products, solve practical problems and learn to work safely in the workshop and with machines. They use ferrous and non ferrous metals as well as alloys. Students utilise joining methods including welding and riveting. Students will follow the design process by writing a Design Brief, investigating, sketching possible designs, producing a working drawing and evaluating their final design.

### 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 metals as a material
- Visualising and generating creative and innovative metalwork projects
- Planning, and analysing and evaluating the ideas that best meet the criteria
- Different metals and their joining technologies
- Using metals to build projects to solve 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 metalwork products.
- Research of client profile and client needs
- Application of knowledge to analyse needs and problems using metals as a material and joining technologies
- Develop skills in investigative research
- Utilise tools and equipment appropriate to metals
- Folio compilation and submission

## Textiles

**Subject Length:** 1 semester

**Subject Fee:** \$40 (*To Be Confirmed*)

Textiles offer students the opportunity to understand design needs and the use of textiles as a material with a broad range of purposes in everyday life. By undertaking Design Briefs students will investigate and generate creative ideas for solutions to problems that utilise textiles. Students will produce textile items by following patterns and also interpreting their own ideas. They will explore the properties and care of different fibres and fabrics, increasing their knowledge and further developing skills in the production of textile items and the sustainable and responsible use of resources.

### 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
- Folio compilation and submission

## Woodwork

**Subject Length:** 1 semester

**Subject Fee:** \$75 (*To Be Confirmed*)

Students design, make and evaluate products, solve practical problems and learn to work safely in the workshop and with machines. They use timber and utilise traditional construction methods as well as developing an understanding of modern fixings and timber joining techniques. Students will follow the design process by writing a Design Brief, investigating, sketching possible designs, producing a working drawing and evaluating their final design.

### 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 wood as a material
- Visualising and generating creative and innovative woodwork projects
- Planning, and analysing and evaluating the ideas that best meet the criteria
- Different timbers and joining technologies
- Using wood to build projects to solve 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 woodwork products.
- Research of client profile and client needs
- Application of knowledge to analyse needs and problems using wood as a material and joining technologies
- Develop skills in investigative research
- Utilise tools and equipment appropriate to woodwork
- Folio compilation and submission

## VET Automotive

**Subject Length:** 2 semesters

**Subject Fee:** \$180 (*To Be Confirmed*)

VET Automotive covers the skills and knowledge required to perform minor maintenance and repair of automotive vehicles. This qualification reflects the role of individuals who perform a range of tasks relating to identifying and inspecting mechanical and electrical components and systems.

### What is studied?

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

- Communicating effectively in an automotive workplace
- Following safe working practices in automotive workplace
- Identifying automotive mechanical systems and components
- Using and maintaining workplace tools & equipment
- Removing, inspecting, testing, servicing, recharging and refitting batteries
- Using and maintaining basic mechanical measuring devices
- Dismantling and assembling single cylinder four stroke petrol engines
- Carrying out basic vehicle servicing operations

### What type of work is done?

Within this subject student learning is developed and assessed through:

- Repair, servicing and overhaul of automotive systems and subsystems
- Practical based learning in an authentic workshop environment
- Engine overhaul, brake overhaul, steering systems, braking systems and other vehicle subsystems
- Vocation incursions and excursions in automotive contexts
- Roadworthiness and driver safety units of work
- Workbook compilation and submission

### Additional Information

This certificate is a nationally recognised qualification and is competency-based. Students will enrol in Units 1 and 2 which is part of a two-year VCE VET program. To meet the requirement of this course, students will complete an intensive week during work experience week.

## VET Building and Construction

**Subject Length:** 2 semesters

**Subject Fee:** \$180 (*To Be Confirmed*)

VET Building and Construction aims to provide learners with basic industry specific skills and knowledge to enable transition into an apprenticeship within the building and construction industries at the Certificate III level.

### What is studied?

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

- Construction Induction Course (White Card)
- Apply OHS requirements, policies and procedures in the construction industry
- Provide basic emergency life support (First Aid qualification including CPR)
- Work effectively and sustainably in the construction industry
- Carry out measurements and calculations
- Interpret and apply basic plans and drawings
- Identify and handle carpentry tools and equipment

### What type of work is done?

Within this subject student learning is developed and assessed through:

- White Card: Construction Induction Course
- Workplace first aid
- Planning, set-out, sub floor, frame work, and other construction projects and tasks
- Practical based learning in building contexts including renovations
- Australian Standards, National Construction Codes and regulatory compliance tasks and projects
- Vocation incursions and excursions in Building and Construction contexts
- Workbook compilation and submission

### Additional Information

This certificate is a nationally recognised qualification and is competency-based. Students will enrol in Units 1 and 2 which is part of a two-year VCE VET program and a three-year Certificate II program. To meet the requirement of this course, students will complete an intensive week during work experience week.

## VET Hospitality (Certificate II in Kitchen Operations)

**Subject Length:** 1 semester

**Subject Fee:** \$160 (*To Be Confirmed*)

Students will learn a number of skills to enable them to pursue careers in a variety of roles, including a cook, chef, kitchen assistant, catering staff or waiting staff. It will provide useful skills for those looking for part time work in the hospitality industry.

### What is studied?

- Unit of competency SITHCCC002 - Prepare and present simple dishes
- Unit of competency SITXFSA001 - Use hygienic practices for food safety
- Unit of competency SITXWHS001 - Participate in safe work practices

### What type of work is done?

This course is auspiced from a Registered Training Organisation but delivered at BSE. It is suited to students who have a passion for food and cooking. It provides a good opportunity for students who are interested in the hospitality industry to learn about food and the service industry in general. Three units of competency are completed at Bendigo South East College, with the remaining units of competency completed in Years 11 and 12 or in further education if a student chooses to pursue this pathway.

### Additional Information

This certificate is a nationally recognised qualification and is competency based. Students will complete three units of work towards achieving their Certificate II in Kitchen Operations through this subject.