

**2023**

# **SUBJECT SELECTION GUIDE - ELECTIVES**






**MIDDLE SCHOOL  
YEARS 7 & 8**



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## KEY

-  Languages Faculty subjects
-  Technology Faculty subjects
-  Creative Arts Faculty subjects
-  Inclusive Learning Faculty subjects
-  Science Faculty subjects

# WELCOME TO THE MIDDLE SCHOOL

## ABOUT THIS GUIDE

The Middle School Subject Selection Guide is produced to inform parents and students of the details and requirements of Years 7 and 8 study at St Patrick's College.

Information provided is a guide for students and their families to make decisions about the elective subjects they would like to study.

If you have any queries about the process or subjects on offer, please contact the Director of Curriculum - Middle School via email.

## MIDDLE SCHOOL CURRICULUM TEAM



Mrs Alanna Stretton  
Deputy Principal  
Learning & Achievement



Ms Deborah Cottle  
Director of Curriculum -  
Middle School

## LEARNING STRUCTURES

Year 7 and 8 students follow a timetable that is based on learning blocks. Each day consists of six periods; with a learning block being two consecutive periods of the same subject. These blocks allow students to engage in the learning, skills and activities in more depth. In this learning block model, Middle School students only have three or four curriculum subjects per day. On Thursday the timetable includes a split single period between recess and lunch. These subjects include a single lesson of a Core subject and also a single lesson of BeSPC.

Therefore, on Thursday, Middle School Students have four subjects; a Mathematics and English Lesson, followed by BeSPC, and a Core subject after recess, and Wellbeing or English after lunch.

BeSPC is the key pastoral care program for Middle School students and has a key role in how the Middle School promotes parental engagement, develops its online presence, builds community, encourages leadership, and enables students to learn more about themselves, each other and our world.

Wellbeing encourages students to become active and involved in organised activities of interest to them. Wellbeing is a compulsory subject for Years 7 and 8.

Pastoral Care (PC) lessons are allocated throughout each term. PC runs for one lesson and includes either time spent on a rotating cycle, in Tutor groups, House groups, year level or whole school assembly.

## TIMETABLE

Underneath is an explanation of how learning blocks work and how the subjects fit within the blocks.

### LEARNING BLOCK 1 - 9:05am until 10.50am

#### Monday to Thursday

All Year 7 and 8 students study English and Mathematics in Block 1 from Monday to Thursday. Mathematics and English is timetabled on alternative days with all classes in Year 7 and Year 8 studying either English or Mathematics at the same time.

#### Friday

Learning Block 1 includes History and Geography, Science, Religious Education or Health and Physical Education.

### LEARNING BLOCK 2 - 11.10am until 12:55pm

#### Monday, Tuesday, Wednesday and Friday

Between recess and lunch, the timetable includes a range of subjects such as Science, Religion, History and Geography, Health and Physical Education, and the Language and Innovation elective line.

#### Thursday

On Thursday, Middle School students have two subjects between recess and lunch: a Core subject (Science, Religion, History and Geography, or Health and Physical Education), and BeSPC.

### LEARNING BLOCK 3 - 1.45pm until 3.20pm

#### Monday, Tuesday, Wednesday, Thursday and Friday

Learning block 3 in the afternoon includes the other two elective lines (either a Technology or Arts elective), Science, History and Geography, or Health and Physical Education. On Thursday afternoon, all students participate in Wellbeing options and English (alternating each week).

## SCHOOLBOX

Schoolbox is the College's learning management system that allows teachers to post resources, assignment due dates, online assessments, news and more for student learning. Parents are able to access their own Schoolbox account and therefore be informed about their child's work requirements and due work tasks, as well as being able to see how they are going with assessment tasks. There is also an email facility, which enables quick and efficient contact between students, teachers and parents. Parents can also download the Schoolbox App which is a lighter version of Schoolbox. The App provides access to continuous feedback, notifications and key contact details.

## CONTINUOUS FEEDBACK

As part of our learning and teaching program, students receive written feedback for Common Assessment Tasks and other class tasks throughout the year. This continuous feedback is available through Schoolbox as a way of keeping staff, students and families updated with the progress of a student's work throughout the year.

## AFTER SCHOOL TUTORING

After-school tutoring is offered every Tuesday and Thursday afternoon from 3:30pm to 4:30pm. The tutoring is held in the Mary MacKillop Library. All students are welcome to attend, whether they require additional support, are seeking extension in their learning, or are looking to consolidate the key concepts they have covered in the past week.

The tutoring is designed to cater for student learning in the key learning areas of the curriculum; English, History & Geography, Religious Education, Health and PE, Mathematics and Science. The after-school tutoring program is specifically staffed to assist students who require support in those specific subject areas.

## INCLUSIVE LEARNING

Students who have been identified with specific learning needs or who qualify for ESL/EAL funding may be eligible for extra support and assistance via learning enhancement programs. These programs are developed after consultation with parents, teachers, the student and Inclusive Learning staff. Support provided may be subject to formal identification processes and an application for funding from the State and/or Federal government. Part of this process is the formation of a Personalised Learning Plan (PLP). Parents who think that their child might qualify for support are advised to contact the Head of Learning: Inclusive Learning at the beginning of the school year.

## LITERACY AND NUMERACY SUPPORT

Literacy assistance and other forms of support are provided through Inclusive Learning team. All Year 7 students are tested in English and Mathematics through the OPI (Online Placement Instrument) at the beginning of the year. Students who require further support in literacy and numeracy are identified through reviewing OPI results and other forms of assessment and offered support through a range of programs and initiatives.

## HIGH POTENTIAL, HIGH ACHIEVING & GIFTED STUDENTS

The College coordinates the provision of developmentally appropriate and engaging programs for high potential, high achieving or gifted students. This is achieved through various strategies at a whole school, class and extra-curricular program level. All teachers develop, design and implement differentiated learning programs with deliberate adjustments to content, process, product and

learning environment to meet the specific learning needs of high potential and gifted students. St Patrick's College is constantly looking for opportunities to provide extensions beyond the classroom curriculum in the individual students' areas of passion, giftedness and talent. A dedicated Schoolbox page links to competitions, challenges and mentoring opportunities for all students who would benefit from these activities.

## ABORIGINAL & TORRES STRAIT ISLANDER PROGRAM

The Catholic Education Office and St Patrick's College support initiatives and tutoring for students of Indigenous culture and heritage. For further information please contact the Aboriginal & Torres Strait Islander Student Success teacher.

## HOMEWORK

Homework is an essential extension of the school into the home environment. Homework is intended not only to further each and every student's scholastic ability, but is important in developing both self-reliance and self-discipline – two of the significant aims of the College.

The expectation in Year 7 and Year 8 is that the student sets aside about one hour for study and homework four nights per week. This time allowance leaves the student time for recreation, sports, activities and family time.

Homework in secondary school does not always follow the patterns of homework set in primary years. Students are more likely to be set assignments and projects that need to be researched and completed over a period of days and weeks. Subjects such as mathematics may set homework that is skills based and requires completion of exercises over a period of two to three days, whereas, subjects such as History and Geography, Meaning, Values, Purpose and Spirituality (MVPS), HPE, English and Science may set homework that involves research assignments or extended projects. These may be researched and drafted in school hours, but require extension, finishing, editing and polishing at home.

Students are encouraged to plan for and complete their homework over a period of time. This is regarded as an essential organisational skill for students in the middle school years and beyond. Parents and guardians should support Year 7 and 8 students regarding the setting of realistic goals, making plans and setting regular time aside for the completion of homework.

On occasions when the work rate of the student does not allow students to complete set work, a note is required. Where concerns arise regarding homework management, communication should be made with the subject teacher in the first instance. Parents are able to monitor, and provide support for, their child's learning and homework through the Schoolbox Parent Portal.



## CORE SUBJECT OVERVIEW IN YEARS 7 & 8

There are 10 academic classes in Year 7 and 8, with approximately 28 students in each class. These are known as Core classes. The Learning Block timetable structure means that Year 7 and 8 students have 15 learning blocks per week and 30 per fortnightly cycle.

Across the two years, Middle School students study a sequence of Core subjects representing key disciplines from the Australian Curriculum and Catholic education. These include:

- Meaning, Values, Purpose and Spirituality (MVPS) ;
- English;
- Health & Physical Education;
- History and Geography;
- Mathematics; and
- Science.

Students in Year 7 also study the compulsory subjects:

- Japanese  
(for one semester);
- Digital Technologies  
(for one semester).

On Thursdays, all Middle School students also participate in BeSPC (the Middle School pastoral care program) and Wellbeing (offering a physical and personal development focus).

## SELECTING SUBJECTS YEAR 7

Students make their subject selection through a survey. For Year 7 2023 students, this survey is emailed to parents in Term 3.

When students enter the subject selection survey they will be presented with instructions on how to complete the survey and make their selections. It is critical that students read the instructions in each section of the survey carefully to ensure that they complete the survey correctly.

## SELECTING SUBJECTS YEAR 8

For students in Year 8 2023, the Year 7 into 8 Subject Selection, 2023 – Web Preferences Survey will be emailed to students with their individual log in details. The survey opens at the conclusion of the Subject Selection Evening in Term 3 and must be completed by the specified due date. Instructions for the survey will also be available during the evening.

Students are provided with information in class on how to access the survey and subject selection information, including access to the Middle School Subject Selection Handbook online.

When students enter the subject selection survey they will be presented with instructions on how to complete the survey. It is critical that students read the instructions in each section of the survey carefully to ensure they complete the survey correctly.



# ELECTIVE SUBJECTS & LINES

In Middle School there are three 'non-Core' or elective learning lines. These lines are comprised of other significant subjects and disciplines from the Australian Curriculum that are considered essential for Year 7 and 8 students.

In Year 7, these lines include a limited range of option subjects and a selection of subjects from Languages, the Creative Arts and Technologies curricula.

In Year 8, these lines form three distinct option lines.

Both Year 7 and 8 students must study at least one subject from each line, thus completing courses in Innovation and Communication, Technologies and Creative Arts each year. For many of the option subjects the courses are conducted in semesters.

There are two semesters in the College year: Semester 1 (Term 1 and 2) and Semester 2 (Term 3 and 4).

## LINES

- Innovation and Communication (Semesterised in Year 7 and Year 8)
- Technologies (Semester 1 and/or 2)
- Creative Arts (Semester 1 and/or 2)

**INNOVATION AND COMMUNICATION ELECTIVE LINE** offers subjects from the Languages curriculum or LOTE (Language other than English), literacy support, and subjects with a future oriented, communications focus. These subjects also integrate themes and skills from the Creative Arts and/or Digital Technologies curricula.

**In Year 7** the Innovation and Communication line is split into semesters. In one semester students study Japanese as their Language other than English (LOTE) subject. In the other semester students study Digital Technologies. Both subjects are mandated by the Australian Curriculum Assessment & Reporting Authority (ACARA) for all students in the middle years.

**In Year 8** students select from a range of semester-length courses, or elect to continue their study of Japanese from Year 7, which is a year long subject. Students who do not choose Japanese select two of the semester length courses to study (one in each semester). Through the Innovation and Communication Line in Year 8, we broaden our range of offerings, so that Languages, Digital Technologies, Media Arts, and an introduction to Asian culture are all represented as independent courses within the Middle School learning program.

**TECHNOLOGIES AND CREATIVE ARTS ELECTIVE LINES** are semester long subjects. Year 7 and 8 students study four semester length options from Creative Arts and Technologies over the course of the year - two in the first semester and two in the second. Two options are typically from Technologies and two are typically from Creative Arts.

**In Year 7** students study four electives over the course of the year from a range of Technologies and Creative Arts subjects.

**In Year 8** students must select a combination of Creative Arts and Technology options (semester length). For example, they can elect to study one course from Creative Arts and three courses from Technologies or two courses from Creative Arts and two from Technologies. Alternatively students may wish to complete one Technologies course and three courses in Creative Arts. Students make their choices from 21 elective options.





# YEAR 7 SUBJECT INFORMATION



# INNOVATION & COMMUNICATION LINE

## Year 7

### Innovation & Communication Compulsory Subjects

Compulsory courses offered in the Innovation and Communication line in Year 7 are:

- Japanese
- Digital Technologies

All students study these subjects for one semester.

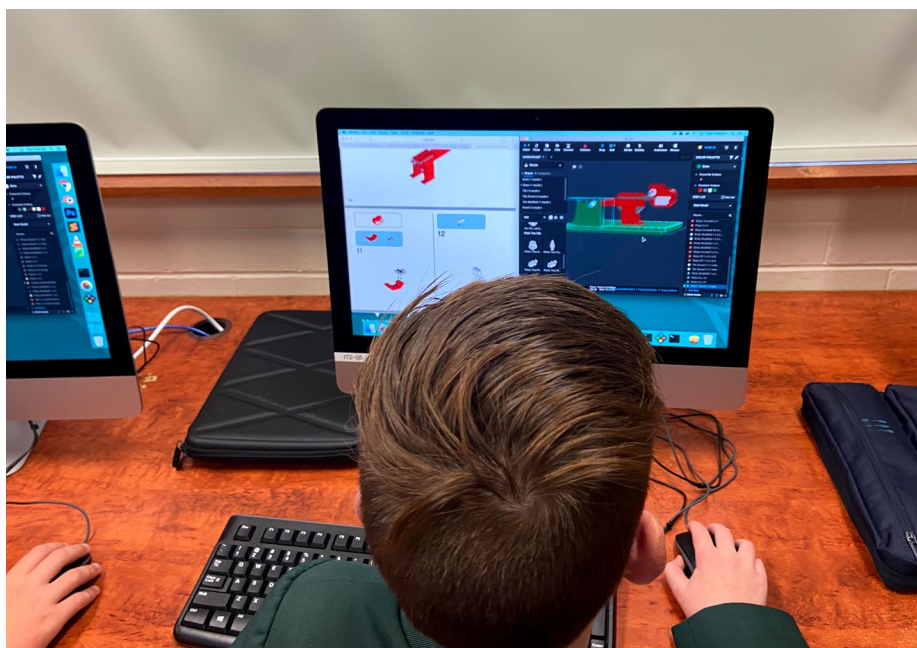
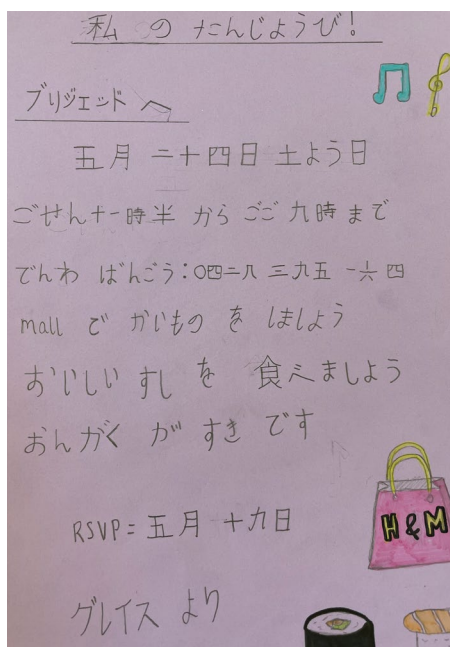
#### JAPANESE (LOTE)

The Japanese course offered in Year 7 provides an introduction to Japan and the Japanese language and culture. The course aims to:

- Teach students to communicate in Japanese using simple words and sentence patterns.
- Foster a general interest in Japanese culture. Learning about other cultures is based on the communicative approach, which equips students with skills needed to communicate in Japanese.
- Provide students with the foundation for a sustained study in a LOTE (Language other than English) subject that can be followed through from Year 7 to 12.

#### AUSTRALIAN CURRICULUM: DIGITAL TECHNOLOGIES

Digital Technologies, while based around competencies with ICT, is distinct from Computing Skills. This is an Australian Curriculum course, which focuses on the development of computer programming skills in students through the use of web-based software, offline activities, and programming software. Learning in Digital Technologies aims to further develop understanding and skills in computational thinking and systems thinking. Students create a range of digital solutions and program simulations of relationships between objects in the real world.





# CREATIVE ARTS & TECHNOLOGIES LINES

## Year 7

These courses run on a semester basis. All courses run for two terms (one semester) in each half of the year. These courses are designed to provide Year 7 students with experiences in both Creative Arts and Technologies, in line with Australian Curriculum requirements.

Students are required to complete one Technology subject and one Creative Arts subject on each elective line per semester. Year 7 students study four courses in a specific sequence over the school year: two courses in the first half of the year and two courses in the second half.

Within the Technologies and Creative Arts lines, students can select from three Technologies electives and three Creative Arts electives. The Creative Arts/Technology combination means, therefore, that Year 7 students complete two different Technology courses and two courses from Creative Arts over the course of the year.

Subjects available are:

- Art
- Music
- Drama
- Food and Nutrition
- Applied Technology
- Textiles, Design and Technology

## The Creative Arts Line Electives

### ART

The Year 7 Art course aims to give students a general introduction to the visual arts. During the course, students gain familiarity with design principles, which are incorporated into their practical work. Such principles as shape, form, line, tone, colour, composition, space and pattern are covered. Various art media are experimented with and particular emphasis is given to drawing, painting and clay work. Overall, the course endeavours to encourage enthusiasm in, and an appreciation of, each student's creative potential in the visual arts area.

### DRAMA

Students study mime, poetry, prose, story, improvisation, role-play, character development and elements of public speaking. Through these practical activities students develop confidence in oral skills, interpretation of text, dramatic technique and participate in public performances such as the PARTS Festival.

### MUSIC

This course aims to encourage students to develop an appreciation of the wonderful world of music through a range of activities. The course has two (2) components that reflect the two Arts strands in the Australian Curriculum: Making and Responding. All students participate in Music over one semester:

- Practical: students work in small groups on a range of instruments. Students will also develop rhythmic skills through engaging in percussion activities.
- Technology: students learn various skills required to make music electronically.
- Vocal: students also learn about the benefits of singing and how to look after their voices through exciting and interesting songs.



# CREATIVE ARTS & TECHNOLOGIES LINES

## Technologies Line Electives

### FOOD AND NUTRITION

Food and Nutrition focuses on the preparation of food suitable for nutritious snacks, breakfasts and lunches. Students develop practical skills, study basic nutrition and apply this to make healthy food decisions.

### APPLIED TECHNOLOGY

This subject aims to develop students' design and problem solving skills while also improving dexterity and skills with hand tools. This is a practical subject using a range of materials and technologies. Teachers choose projects from a variety of materials including leather, wood, metal, and plastic. The emphasis is always on safety with tools and safe workshop procedures. Students are encouraged to design their own projects.

### TEXTILES, DESIGN & TECHNOLOGY

Students investigate fabric as a material and use the technology process to investigate, design, produce and evaluate. This course looks at a variety of textiles and studies their uses in the home and the environment. Practical and artistic skills are developed through simple, selected projects.





# YEAR 8 SUBJECT INFORMATION



# ELECTIVE SUBJECTS & LINES

Year 8 students may select up to six elective subjects across the year.

The Innovation and Communication elective line offers a range of semester length courses, and a year-long Japanese course. The semester length courses offer choices from Media Arts, Digital Technologies, Literacy, Languages and an option that explores aspects of Asian Culture. Students who do not select Japanese study **two** of the semester length courses (one in each semester).

The Creative Arts and Technologies Elective line offers semester length courses. Students select from a range of Creative Arts and Technologies electives each semester. Over the course of the year students complete a mixture of **four** Creative Arts and Technologies courses. Ideally, two semester-long courses from the Creative Arts curriculum and two semester-long options from the Technologies curriculum. However, students may wish to select one course from the Creative Arts and three courses from Technologies, or one course from Technologies and three courses from the Arts.

## INNOVATION & COMMUNICATION LINE (SELECT TWO)

- Japanese - **year-long**
- Cultural Connections with Asia
- Digital Technologies
- 3D Digital Design
- Media Skills
- Self Directed Project
- Assignment Support (Literacy and Numeracy)
- STEM (Science, Technology, Engineering and Maths)

## CREATIVE ARTS & TECHNOLOGIES LINE (SELECT FOUR)

- Art (2D) – Semester 1 only
- Art (3D) – Semester 2 only
- Drama
- Dance
- Music Studies
- Music Technologies
- Musical Theatre
- Applied Technology
- Design Graphics
- Design in Metal
- Design in Wood
- Textiles, Design and Technology
- Food and Nutrition



# INNOVATION & COMMUNICATION LINE

## Year 8

The Innovation and Communications line includes a choice of semester-length courses, and one year-long subject:

- Japanese (year-long)
- Cultural Connections with Asia
- Digital Technologies
- 3D Digital Design
- Media Skills
- Self Directed Project
- Assignment Support (Literacy and Numeracy)
- STEM (Science, Technology, Engineering and Maths)

**NB:** Students who do not select Japanese study two of the semester length courses (one in each semester).

## Electives

### JAPANESE - LOTE (Year-long)

In Year 8 Japanese, students further enhance their ability to communicate in Japanese. Students are required to use hiragana to read and write sentences and short passages. Students are also exposed to a selection of new vocabulary items, grammatical structures and some kanji characters. Learning about the Japanese culture is embedded in all lessons and remains a key element of the course.

### CULTURAL CONNECTIONS WITH ASIA

This course allows students to engage with Asian cultural traditions, food, art forms, drama and literature. Students explore the perspectives and traditions of four separate Asian nations and complete practical and creative projects designed to enhance their awareness of our nearest neighbours.

### AUSTRALIAN CURRICULUM: DIGITAL TECHNOLOGIES

Digital Technologies, while based around competencies with ICT, is distinct from 3D Digital Design. This is an Australian Curriculum course, which focuses on the development of computer programming skills in students through the use of a number of engaging web-based software, offline activities, and programming software. Learning in Digital Technologies aims to further engage students with a wider range of information systems as they broaden their experience and involvement in national, regional, and global activities. Students explore concepts of text-based programming, spreadsheets, embedded systems, and drone technology.

*Prerequisite:* Year 7 Digital Technologies

### 3D DIGITAL DESIGN

3D Digital Design aims to extend students beyond the basic skill levels acquired in Year 7 and sets them up for more advanced study in future years. The course caters for the growing needs of our students to be digitally literate and to gain skills for their future. The course will focus on Digital 3D Design elements. Students explore software to construct elements of 3D models for game development, industry, architecture and robotics. Students will also explore computer simulation of environmental conditions that control the physical aspects of the simulated world such as density, force and gravity.

### MEDIA SKILLS

Year 8 Media Skills allows students to engage with a range of media skills, understandings and techniques. The following aspects of media are a focus - video, film, television, radio, visual literacy and digital technologies. Students complete research tasks and practical media assignments allowing them to engage both critically and creatively with contemporary media forms.

### SELF DIRECTED PROJECT

Students in this class are responsible for the development of an area of study within the scope of the current ACARA subjects (for example, English, Mathematics, Science, Humanities and

Social Science or Health & Physical Education). Students select and investigate a problem. The aim of the project is to develop and address the problem and then provide a solution. Students are expected to develop a researched thesis and subsequent proposal. The outcome is presented to a panel for assessment and feedback. Students develop materials to support their thesis, including but not limited to a digital presentation or physical sample.

This subject gives students the opportunity to study a topic in-depth; one for which they have a passion or which they are keenly interested. Students work with their teacher mentor throughout the entire process.

### ASSIGNMENT SUPPORT: LITERACY & NUMERACY

Through the identification of specific areas of need (teacher, parent or student-based), students complete a semester of Assignment Support to help develop their Literacy and Numeracy skills. The subject includes explicit teaching of Literacy and Numeracy skills (cross curricular) during each double lesson, as well as time to complete work with guidance and support from the teacher.

### STEM Science, Technology, Engineering & Maths

This is the first chance to get a taste of Engineering in school. STEM stands for Science, Technology, Engineering and Mathematics. All of these disciplines come together in this subject with a strong emphasis on project building and hands-on activities. If you are interested in designing and building various projects then this is the subject for you.

First term is spent working with Lego robotics and learning the basics of how to build and program a simple robot to undertake a variety of tasks. You work your way through a variety of challenges and learn all the basics of design engineering.

In the second term, our aim is designing and building a CO<sub>2</sub> powered mini car. This takes you from designing your car on paper, building a prototype out of foam to actually building the final balsa wood car. Cars are powered by a CO<sub>2</sub> canister and students get a chance to race each other to see who has the best design.

# CREATIVE ARTS & TECHNOLOGIES LINE

## Year 8

### The Creative Arts Line Electives - Semester Only

Year 8 Electives in Creative Arts each run for one semester (two consecutive terms). Students are required to select at least one course from Creative Arts, but may study as many as three within the school year (in Semester 1 and/or 2). If they choose to study one course in Creative Arts they take three courses from the Technologies curriculum for the year.

Alternatively, students may elect to complete two courses from Creative Arts and complete two courses from Technologies, or they may take three courses from Creative Arts and study one course from Technologies.

Creative Arts line includes:

- Art (2D) – Semester 1 only
- Art (3D) – Semester 2 only
- Drama
- Dance
- Music Studies
- Music Technologies
- Musical Theatre

## Electives

### ART

There are two distinct Art subject offerings in Year 8 - 2D Art runs in Semester 1, and 3D Art runs in Semester 2. Students are encouraged to study both subjects if they wish.

#### 2D ART - Semester 1 Only

This Art course continues to develop student creativity through drawing, painting, and other traditional art forms, as well as introducing students to printmaking. Emphasis is given to skill development, and understanding design elements and principles while self-expression is always encouraged.

#### 3D ART - Semester 2 Only

This Art course continues to develop student creativity through drawing and sculpture using various materials and techniques such as using cardboard and clay, carving and constructing. Emphasis is given to skill development and understanding of design elements and principles while self-expression is always encouraged.



### DANCE

Dance is a subject that caters for both experienced dancers and those wishing to begin dancing. Students study, through practical experiences, dance-making, appraising and performing. Participation in performances such as the PARTS Festival will form part of the course. Theory of dance, critical appraisals and reflections form part of a dance journal.

*No previous experience is needed.*

### DRAMA

The Year 8 Drama course is designed to develop trust, co-operation and self-confidence. Students will be involved in a variety of dramatic situations including mime, movement, improvised and walk-in drama, role-play, and scripted drama. All students perform publicly in such events as the PARTS Festival. Students are introduced to theatre terminology and activities, made aware of performance spaces and audience relationship. Assessment includes a written journal containing handouts, weekly class notes, journal writing and research.



### MUSIC STUDIES

This subject is designed for students interested in learning an instrument or for those who wish to extend upon their musical experience, skills and knowledge. The course has two components, in which all students participate for the duration of the course:

- Practical - students develop skills on a chosen instrument through both solo and ensemble performance, of which there are multiple opportunities.
- Core - students work in a whole class environment exploring the elements of music through theoretical and practical activities focusing on creating, performing and listening

### MUSIC TECHNOLOGIES

This course has been designed to provide students with the opportunity to develop a broad range of music skills with an emphasis on music technologies. In Music Technologies students learn about the language of music and how music is put together with a focus on introducing music software, recording and mixing.

*A musical or instrumental background is not essential for this subject.*

### MUSICAL THEATRE

Musical Theatre is a practical subject that explores all the elements of musical theatre. From costume and set design to writing lyrics and choreographing dance numbers, this subject allows your inner musical theatre superstar to shine. The course also promotes confidence and stage presence. Students discover new skills, dazzle with storytelling, and explore a range of performance styles culminating with a public performance at the end of the course.



# CREATIVE ARTS & TECHNOLOGIES LINE

## Year 8

### Technologies Line Electives - Semester Only

Year 8 Electives in Technologies each run for one semester (two consecutive terms). Students are required to select at least one course from the Technologies curriculum, but may study as many as three within the school year (in Semester 1 and/or 2). If they choose to study one course in Technologies they will take three courses from the Creative Arts curriculum for the year.

Alternatively, students may elect to complete two courses from Technologies and therefore will complete two courses from Creative Arts, or they may take three courses from Technologies and therefore, study one course from Creative Arts.

Technologies Elective Line includes:

- Applied Technology
- Design in Metal
- Design in Wood
- Design Graphics
- Textiles, Design and Technology
- Food and Nutrition

## Electives

### APPLIED TECHNOLOGY

Have you ever wondered how humans managed to design and build objects such as skyscrapers or how we mastered the art of flying? Perhaps you like discovering how things work, being creative and solving problems through developing practical objects. If you said YES to any of these, then Applied Technology is for you.

Throughout this subject, there is a strong emphasis on hands-on activities and practical projects to enhance learning. You learn how to think like designers, innovators and engineers to discover how design and technology plays an important part of the world we live in.

Students participate in a range of activities including designing engineering structures, learning how to use new technologies such as a laser cutter to develop creative objects, discovering where plastic comes from and why it needs to be recycled and how to design and optimise a water bottle rocket to travel 30+ metres in the air.

Take the challenge to push yourself and see what you can create with a little imagination.

### DESIGN IN METAL

The Design in Metal course provides the following for students:

- An understanding of the properties and uses both ferrous and non-ferrous metals.
- Tool recognition and correct usage
- Workshop layout and associated safety.
- A chance to design and construct simple projects.

### DESIGN IN WOOD

This course gives all students experience in the design and construction of timber projects. Although predominantly a practical subject, some theory work is done in conjunction with the practical projects.

Students will gain experience in the following facets of woodwork:

- Workshop layout and associated safety.
- Tool recognition and correct usage.
- An appreciation of various types of timbers and their properties.
- Construction of basic timber joints.
- The assembly and finish of timber projects.
- An appreciation of some aspects of design using timber.



## DESIGN GRAPHICS

Students learn basic drawing skills, which develop through Year 9 to the use of computers for design and communication in senior classes. The course covers practical drawing in the areas of:

- Skills in lettering and dimensioning.
- Correct use of line work
- Correct use of all technical drawing equipment.
- Basic geometry.
- Pictorial drawings - isometric, oblique and perspective
- Plan drawings.
- Communicating ideas and designs graphically.

## TEXTILES, DESIGN AND TECHNOLOGY

The Textiles, Design and Technology course provides the following for students:

- An understanding of a range of textiles, materials, equipment and sustainability issues related to textiles.
- Use of the sewing machine and overlocker.
- Design and construct items including; pin cushion, zipper purse, pyjamas, simple top.
- Introduction to elements of fashion design and garment choice.

## FOOD AND NUTRITION

The study of Food and Nutrition provides students with a broad knowledge and understanding of food related topics through a range of practical experiences. Students learn about food in a variety of settings, enabling them to evaluate the relationships between food, technology, nutritional status and the quality of life. Subject focus areas include:

- Food in Australia and our engagement with Asia.
- Food trends.
- Food selection and health.
- Food for special occasions.
- Sustainable practices relating to food.
- Developing practical skills and techniques.

Entry into this course is limited due to the nature of the class sizes, which is capped.



Roman Catholic Trust Corporation of the Archdiocese of Hobart  
trading as

**St Patrick's College**  
(Main Campus)

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