



St Columban's College

Year 8 2019

Subject Information

Year 8 Electives for 2019 offers you the opportunity to choose the subject/s which you have not done in Year 7 to experience the full range of subjects on offer.

Read the Subject descriptions carefully.

Subject Information

Languages and Music

Students will again study one Semester of Music

Students will study one Semester of the alternate Language of either Italian or Chinese that was studied in Year 7

Design Subjects

The following design subjects are created to prepare students for the realities of our changing world. Today's students are the workforce of future generations, which will require them to understand how to problem solve, be flexible with their solutions and understand how technologies interact with users as well as real world elements.

These subjects focus on students gaining an improved understanding of design based thinking and the ability to work on projects that have real world ramifications. As these understandings are not only currently used in everyday situations but these problem solving skills and design based thinking will be integral for future professions.

Digital Technologies

The program for the Year 8 Digital Technologies is entitled '**Gaming in a virtual world**'. Students will develop basic coding knowledge and skills through game development. They will focus on problem solving skills by utilising algorithms. Students will design effective graphical user interfaces, game characters and incorporate interactive features through their game. The second term will extend their coding knowledge to design and program a virtual pet. Students will work in teams to communicate their ideas and solutions.

Design and Technology: Food & Fibre

The program for the Year 8 Design and Technology: Food & Fibre will focus on the manufacture of products that are designed and created for specific purposes including health, sustainability and nutrition. These designer products will be founded through students developing an awareness and deeper understanding of the design process.

In this course, you will be part of a young engineering team who have been commissioned by a company to design and create a range of products and services for a chosen target market. Throughout this program, you will have an opportunity to experience a range of practical skills and equipment to develop your engineered creations. At the conclusion of this program, the budding engineers will promote their innovative idea to the major company. You will have the chance to promote your findings and products within the school and local community.

If you are excited by the idea of designing food and fibre products that will enhance the health and nutrition of our community, then Design and Technology: Food and Fibre is for you.

Design and Technology: Materials & Technology

The program for the Year 8 Design and Technology: Materials & Technology is entitled '*High Tech Design*'. This unit will focus on design based learning with a strong focus on the understanding and application of the 'Design Process'. This subject will allow students to experience and manipulate a range of materials to create individual and team solutions to a range of design challenges.

As part of an entrepreneurial design team, you will be exposed to a range of materials including timber, plastics, metal and fabric that can be manipulated to create solutions to real world and future driven challenges. You, as a design entrepreneur will have opportunities to experience a range of tools and technologies such as 3D printers and laser cutters to create your preferred design solution.

If you are excited by the prospect of seeing your innovative design ideas and creations come to fruition, then Design and Technology: Materials & Technology is for you.

Design: Visual Media

The program for the Year 8 Visual Media is entitled '*Places and Spaces*' and focuses on the continued development and use of the Design Process. Students will engage with client focused scenarios that allow them to explore the principles of design in order to finalise a Visual Media product that meets the client's needs.

Following a client brief, students will design and create a Visual Media product for a specific use. They will then create a film piece that supports their product and justifies their design decisions. Throughout this process, students will engage with the visual art and media elements of design, develop skills in mixed media products and manipulate software packages such as Adobe Photoshop (still image manipulation) and Premiere Pro (video editing)

If you are excited by the prospect of exploring your creative side in a dynamic, exciting and challenging environment... then Design: Visual Media is for you.

Performing Arts (Dance and Drama)

The program for the Year 8 Performing Arts is entitled 'The Movement and Me', and focuses on two of the five Arts strands, being Dance and Drama.

'Movement in Me' is focused on building confidence and engaging you within the creation of performing arts projects, (both individual and collaborative). The energetic and physical nature of the course will also inspire you to 'take creative risks', encouraging the development of imaginative and creative projects.

You will learn to explore all aspects of Drama and Dance, with a focus on movement and performance within both disciplines. This unit is very practical in nature, allowing students to develop confidence using the space around them, and relationships between other people and themselves.

If performing or developing confidence in performing is an avenue you would love to explore in an energetic, dynamic environment... then the Performing Arts is for you.

Physical Education

This course is designed for students who love to be physically active and are curious to learn how the body works and how to improve sporting performance.

Physical Education is the foundation unit for all Health and Physical Education electives.

The aim is to develop specialised movement skills and understanding in a range of physical activity settings. You will also analyse how the principles of Biomechanics can improve performance. You will explore systems of the body and develop an understanding of how this information can make you a better athlete.