



NEWMAN
COLLEGE

A CATHOLIC SCHOOL
EDUCATING IN THE
MARIST TRADITION

 Shine
through
Discovery

LET YOUR LIGHT SHINE MATTHEW 5:16



2021 Year 10 Electives

Challenge — Collaborate — Create — Celebrate

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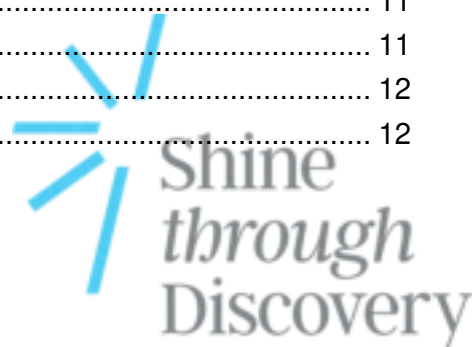
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The Arts

Art

The Year 10 Art course will further develop skills acquired in Year 9 Art and focuses on extending experimental art skills and knowledge. You will select and combine traditional fine art materials with unconventional or new art materials to explore experimental art techniques and processes.

You will plan and create up to three art works within the drawing, painting and printmaking studio areas. The development of each artwork will include a visual diary of observational, exploratory and expressive drawing, research, media trials, mock-ups and personal reflection. You will respond to the work of notable artists and explore how Art is shaped and developed in different times and cultures.

Final studio works will be displayed in annual school-based student exhibitions to be enjoyed and admired by the College community.

Dance

The Year 10 Dance course provides an exciting opportunity for students to develop their skills in coordination, strength and movement through the creative process. The course is a practical based subject with students participating in groups and whole class activities. Students are encouraged to think laterally, explore dance and push the creative boundaries in a safe and supportive environment.

Drama

The Year 10 Drama course will build on the skills learnt in Middle School Drama. The course is designed as a good foundation for students wishing to continue studying Drama in Year 11 and 12. Although previous Drama studies are not a prerequisite of the Year 11 and 12 Drama course, it is an advantage for students to have some basic training in Year 10.

The general aims of the syllabus are to:

- promote theatre as an art form
- develop a basic understanding of all aspects of theatre
- enable students to work co-operatively in an artistic environment
- develop sound techniques in voice and movement
- develop an understanding of theatre history and significant developments in Drama.

The content covered includes:

- exploring voice and movement as an actor by devising an extended performance
- learning how to unpack and investigate a script and perform a short monologue
- theatre history – specifically Stanislavski / realism, Brecht, Laban
- seeing a live theatre performance and writing a critical review with a focus on the spaces of performance.

Contemporary Music

This Semester One course is aimed at those who have an interest in contemporary music performance and developing music industry skills. This course provides a pathway for students interested in undertaking a Certificate II in Music in Year 11.

Students will:

- develop their solo and ensemble performance skills on their chosen instrument in the context of contemporary music.
- use music recording software and additional technology to record their instrument/voice to create a demo.
- work as part of team to organise, set up and perform at a live concert as well as participate in creative tasks to learn industry appropriate skills.
- develop their aural and theory skills relevant to the chosen context and learn how to read and write music in a variety of methods of notation.
- music will be drawn from a variety of contemporary styles including Rock/Pop Music since 2000.

Bach to Beethoven Music

The Semester Two music course will further develop and extend skills acquired in the Year 9 Music course. Students may choose to enrol in both Semesters of Music, however it is highly recommended that students hoping to study ATAR Music in Year 11 enrol in this course.

Students will:

- continue performing on an instrument in a range of styles (solo and ensemble)
- develop knowledge of music theory in preparation for ATAR 1.
- develop understanding of the periods of Music: Baroque and Classical Western Art Music; including in-depth studies of prominent composers, genre, style, and musical form.
- score reading (increased terminology and understanding of compositional devices)
- use computer software to compose music.
- develop the musical ear (aural skills) through the most accessible of instruments – the voice. The Kodaly approach (singing, playing, moving) is used to develop an understanding of rhythm, pitch and notation.

Tuition on an instrument (including voice) either privately or through the College is an advantage.



Media Studies and Film Appreciation

There is no pre-requisite for this course.

In Year 10, students will be provided with opportunities to explore in more depth the way media work is constructed in different contexts and how it can be used to challenge the values of an audience. Through their classwork students will explore past and current media trends on audience use of media.

Building on the year 9 course students will continue to make and respond to their own media productions and professional media work within the selected media type, genre or style studied, using refined media production skills and processes: problem solving, working as a team, or independently; setting and following personal and group timelines; and independently using media equipment safely and responsibly.

The Media Arts focus for Year 10 includes: photography and photographic visual essays, documentary – both non-fiction and satire and Hollywood film genre. Students learn to develop their own individual media works, refining their production and technical skills, and will work in groups to create short film projects.

Media students will work with and create their own media works including film, documentary, photography.



Health & Physical Education

Outdoor Education – Exploring Coastal Waters

Outdoor Education gives participants the opportunity to explore, appreciate and conserve the natural environment. Approximately 90% of Australia's population lives near the coast and many enjoy water-based activities. It is fitting that this course focuses on this aspect of the environment and recreational pursuits within it.

This semester-long course develops student's snorkeling and surfing skills. The activities selected provide students with an opportunity to develop self-management and interpersonal skills as these are essential to be able to operate effectively and safely in the outdoors. Knowledge and understanding of first aid procedures and being able to identify parts of the living environment will also be covered.

Students selecting this course must be confident in the water and able to complete the prerequisite swimming test. A positive and supportive approach to others is expected from all participants.

Prerequisites: Students must be able to swim 200 metres without an aid in less than 6 minutes followed by 3 minutes of treading water. Students are expected to attend all practical lessons which can include before school commitments.

Timing of Course: Semester One

Levy: \$180

Outdoor Education – Experiencing the Australian Bush

Outdoor Education gives participants the opportunity to explore, appreciate and conserve the natural environment. Enjoyment of the outdoors is a part of our heritage and the Australian environment offers a perfect location in which to be able to fulfil these desires. Students who are interested in the environment and operating within it will find the insights gained from this course to be very rewarding.

This course will develop student's rock climbing, abseiling, orienteering, bushwalking and camping skills. The activities selected provide students with an opportunity to develop self-management and interpersonal skills as these are essential to be able to operate effectively and safely in the outdoors. Participants will develop knowledge and understanding of first aid procedures and will be able to identify parts of the living environment. This course culminates with a three-day camp.

Students are expected to be well prepared and punctual and should try their best with the challenges that may be encountered. A positive and supportive approach to others is expected from all participants.

Prerequisites: Students must be able to physically participate in all practical activities. Students are expected to attend all practical lessons which can include before school commitments.

Timing of Course: Semester Two

Levy: \$200

Outdoor Education – Specialised Surfing

The new specialised surfing course is tailored towards individuals who are committed and interested in surf sciences.

Students will gain theoretical knowledge of the biomechanics of surfing, skill development, video analysis, advanced weather interpretation, forecasting, safety management and coaching skills. Through interaction in the natural environment and multiple practical surfing lessons students will develop their surfboard riding skills with experienced and qualified surf coaches.

This course will suit students who have an intermediate to advanced surfing ability, as well as students who are committed to improving their skills during multiple practical surfing lessons. Students must be prepared to commit to both the practical and theory components of the course and show an interest in surf sciences and the outdoor environment.

Places in this course may be limited and in the instance that the course is oversubscribed students will be selected using the following criteria:

- Minimum swimming ability standards
- Surfing and water skills
- Involvement in Newman College surfing competitions or representation
- Staff professional judgement

Prerequisites: Students must be able to swim 200 metres without an aid in less than 6 minutes followed by 3 minutes of treading water. Students are expected to attend all practical lessons which can include before school commitments.

Timing of Course: Semester One, Semester Two

Levy: \$200

Specialised Physical Education – Netball and AFL

Specialised Physical Education is a year-long elective and takes the place of two semester long electives

The year-long Specialised Physical Education courses provide students with the opportunity to develop their skills, fitness, knowledge and understanding in either Netball or AFL.

The units are designed to develop fitness levels, practical skills and knowledge of strategies and tactics in the selected sport. Additionally, students will learn about nutritional requirements, training methods and fitness components. Students will also be exposed to umpiring and coaching development across the year.

A major priority of the unit is to encourage the participation of students in sport; both at the College and local community level. Players of all levels are encouraged to join the course, however, there is an expectation that students will play competitively for the College in NAS, ACC and SSWA competitions as required. Students in the specialised Physical Education courses must also continue to be active participants in timetabled Physical Education classes.

Course numbers may be limited and in the instance that a course is oversubscribed student's dedication to sport and PE, past involvement in the sport and staff professional judgement will be used to form the basis for selection. Students can join this course without completion of the Year 9 Specialised Physical Education course.

Prerequisites: Nil

Timing of Course: Full year

Levy: \$50

Specialised Girls' AFL

The program provides girls with ongoing development in the skills and attributes needed to play Australian Rules Football at the highest level.

Girls are exposed to specialist coaching and study and practice offensive and defensive skills, advanced strategies and tactics and work towards the level of conditioning required, while practising both umpiring and coaching roles. Pathways to Marist FC, WAWFL and AFLW will be a strong focus.

The aim will be to provide girls with a diverse Australian Rules Football experience that encompasses:

- Development of individual and game skills
- Sequential skill development
- Game strategy and analysis
- Umpiring
- Coaching
- Fitness
- Theoretical analysis

Prerequisites: Nil

Timing of Course Semester One or Two

Year 10 Physical Education Studies

The Physical Education Studies course contributes to the development of the whole person. It promotes the physical, social and emotional growth of students. Throughout the course, emphasis is placed on understanding and improving performance in physical activities.

Students will have the opportunity to integrate theory and practice, which is a central focus of the course. They will study the interrelationship between functional anatomy and coaching concepts and analyse how these factors influence individual and team performance in a practical setting. Additionally, students will engage as performers, leaders, coaches and planners of physical activity.

Students will undertake practical lessons exploring the skills and tactics in the sports of Badminton and Soccer.

Many of the concepts covered in this course will be further explored in Year 11 and 12 Physical Education Studies (General and ATAR). Therefore, this course is an excellent option should students wish to continue with Physical Education Studies in their final years of secondary school.

Prerequisites: Nil

Timing of Course Semester One, Semester Two

Levy: Nil



Languages

Italian is a year-long elective and takes the place of two semester long electives

Italian

Italian is a language spoken by a significant proportion of the Australian population and as such it has immediate relevance for learners. It is also recognised as a language that is useful to learners who wish to further their studies in areas such as Music, Art, Literature, History and Engineering. The need for people with Italian language skills and cultural awareness has become apparent in our multicultural society and these skills are often an important adjunct to many professions.

The focus for Semester One is on **friendships and the modern world**. It will introduce students to the Italian language and culture from a personal perspective, enabling them to share information related to everyday life and popular culture, friendships, love, going out with friends, technology and its uses and the environment. You will begin to develop a deeper understanding of what it is to be Italian, and Italian-speaking, and begin to compare your own lives to those of others in Italian speaking communities.

The focus for Semester Two is on **holidays and travelling** (a look at life in Italy and overseas) and the future after school (work, types of study). You share information about, and develop a stronger sense of, your own personal space and place. While developing the skills to travel within Italy and the world, and to make choices about the future, you will learn more about the Italian culture and community and what it is to be Italian-speaking.

Prerequisite: Year 9 Italian



Project Based Learning

Just Start IT

Just Start IT is an initiative where a group of innovative high school students are mentored by an industry professional to create a tech enabled start up. It is an inter high school program that takes engaged learning to the next level through exploration, discovery, and creativity.

The program brings Silicon Valley methodologies and industry mentors into the classroom. The mentors help teams made up of Hackers, Hawkers and Hipsters create a technology start-up. (Hackers – computer gurus, Hawkers – business types, Hipsters – creative types)

Just Start IT culminates in a "shark tank style" competition where students pitch to win the \$5,000 prize as well as an opportunity to pitch to real investors.

We will cover:

- Design thinking,
- Problem solving,
- Focused research,
- Prototyping, and
- Developing proposals.

Overseas Immersion

Participation in this elective will enable students to apply for the 2021 Singapore Learning Immersion with our new partnership with Republic Polytechnic.

<https://www.rp.edu.sg/>



Technology and Enterprise

Café Culture

This course focuses on developing food preparation skills whilst learning about the traditional formal menu and how it has been modified in today's society. Throughout the course we create delicious contemporary café dishes from entrees to main courses and desserts

You will learn:

- factors of effective menu planning and meal presentation
- how to make different hot/cold beverages including coffee
- preparation and serving of food for gifts and celebrations
- how to plan, prepare and serve food for individuals with special dietary needs.

Child Development

This course will provide you with the opportunity to learn, understand and explore the development of children from conception to 6 years of age. You will have the opportunity for hands on experience with young babies, practical activities making crafts, toys and cooking for toddlers. Students will also learn some parenting and care-giving skills. The course will provide you with background knowledge for Year 11 and 12 Children, Family and the Community courses.

Students will study the following:

- reproduction
- fertilisation and conception
- pregnancy 0-9 months
- pre and post-natal care of mother and baby
- the birth process and different options
- introduction to solid food and the nutritional values of food
- stages of development of children from 0-6 years
- play and educational for children
- safety and care for children in and out of the home
- how to design, plan and construct several practical items for babies and young children
- virtual baby experience.

Digital Programming

This course will provide students with the opportunity to further develop understanding and skills in computational thinking.

Students will learn how to programme using Python. Python is a widely used, general purpose, text-based programming language. Students learn that they can use coding in Python in multiple ways: data science, web development, and machine learning. Quora, Pinterest and Spotify all use Python for their backend web development.

Students will engage in many fun mini tutorials towards learning the basics of this easy to learn programming language.

Students will also learn how to code using Microsoft Excel. Excel is a spreadsheet program that allows you to store, organise, and analyse information. While you may believe Excel is only used by certain people to process complicated data, anyone can learn how to take advantage of the program's powerful features. Whether you're keeping a budget, organizing a training log, or creating an invoice, Excel makes it easy to work with different types of data.

Digital Solutions

This course will provide students with the opportunity to learn how to use industry standard Adobe Creative Cloud software towards creating digital solutions.

Students learn how to use Adobe Animate CC to design interactive animations which could be used for games, TV shows, the web, to bring cartoons and banner ads to life, to create animated doodles and avatars and add action to eLearning content and infographics. With Animate, students can quickly publish their projects to multiple platforms in just about any format and reach viewers on any screen.

Students will also learn how to use Adobe After Effects CC to create cinematic film titles, introductions and transitions, to remove an object from a clip, start a fire or make it rain. With After Effects, the industry-standard motion graphics and visual effects software, you can take any idea and make it move.

Fashion and Jewellery

This course will provide students with a broad knowledge of the properties, performance and uses of textiles. Students will document and communicate their design ideas and experiences and make use of contemporary technology in their practical work. Completion of projects is integral to developing skills and confidence in the manipulation and use of a range of materials, equipment and techniques. Through practical projects students will have the opportunity to be creative, independent learners and to explore functional and aesthetic aspects of fashion and design.

The content will include:

- elements and principles of design
- design fundamentals and skills
- nature and properties of materials
- operating a sewing machine
- creative use of various materials
- hand and machine sewing
- pattern reading and interpretation
- garment construction.

While the College will provide the majority of resources for this course, students may wish to provide their own.

Food Science and Technology (STEM)

All living things need matter and energy. We get ours from food. Everything you eat – except highly refined foods like the sugar you stir into your tea – is a complex mixture of molecules, usually made by other living things.

Do you want to be the next Heston Blumenthal? Imagine transforming the taste and texture of food through molecular gastronomy, or preparing dinner in your kitchen kettle using particle theory or smoking your dish. In this unit you will be looking at why food reacts the way it does when you use different food processing techniques to control the food performance.

The teacher will explain and demonstrate common scientific principles in a way that's fun and easy to understand - through food preparation and cooking!

In this course you will learn through both practical experiments and preparation of dishes to learn how the sensory, physical and functional properties of food below determine the dishes made. In this course students will work in small groups to create a product using the physical, sensory and functional properties learned.

Some of the functional properties which could be explored are:

- dextrinisation, cakes, breads
- caramelisation, toffee, honeycomb
- crystallisation, candy
- emulsification, dressings, sauces
- gelatinisation, sponges
- oxidation, fruit leather, drying fruit
- denaturation, marinating meat, cooking the perfect steak
- coagulation, custards, eggs benedict
- leavening, hot cross buns, bread making
- aeration, sponge cake, swiss roll.

Prerequisite: minimum C grade in Year 9 Science

Materials, Design & Technology (Wood)

In this course you will learn to use industry standard machinery and processes to design and construct quality small household furnishings. You will learn and demonstrate an understanding of Occupational Health and Safety (OHS) procedures as you manage your projects and work environment.

For your first project you will design and make a wall clock using jarrah or Tasmanian oak or radiata pine, or a combination of these timbers. For your second project you will exam your home environment to identify a need for which you will create a small furniture item where often your parents, or other family members are your clients and you will consult with them to design and manufacture the furniture item to meet your client's needs, wants and specifications.

Engineering (STEM)

In this course you will combine the disciplines of Science, Technology, Engineering and Mathematics as you investigate, prototype, test and manufacture projects to solve problems and achieve goals.

Throughout the course workshop safety is the key focus. You will master both design process and workshop and machinery skills and techniques.

Your first design project is to create a CO2 Dragster which will race over a 20 metre track, where the dragster will reach speeds of approximately 80km/hour. You will consider factors such as aerodynamics and friction as you design and build the most effective body shape from your balsa blank, and apply a spray on paintwork which will personalise and add to the aesthetics of your dragster whilst also reducing air friction. Just like Formula 1 racing you will need to meet the official specifications and criteria set down in the rules of the competition for the shape, size and design of your dragster.

For your second project you will investigate an individually chosen problem and produce a prototype as your solution to the problem that you have thoroughly investigated and researched.



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