At Marian College, the curriculum at Year 9 has an emphasis on deeper learning and is achieved by greater exposure to a subject. Each student’s unique learning style is recognised and developed, and social, organizational and employment skills are actively taught.
# Contents

Welcome to Year 9  2017 .............................................................................................................. 4  
  Brigidine Core Values .................................................................................................................. 4  
  Prayer to St Brigid ....................................................................................................................... 4  
The Culture of Learning at Marian College .................................................................................. 5  
The Year 9 Course of Study ......................................................................................................... 6  
  Electives ....................................................................................................................................... 6  
  Year Level Promotion Policy ....................................................................................................... 6  
Web Preferences Access Guide ..................................................................................................... 7  
  Religious Education .................................................................................................................... 8  
  English ....................................................................................................................................... 8  
  Mathematics ............................................................................................................................... 9  
  Science ....................................................................................................................................... 9  
  Humanities ................................................................................................................................. 10  
  Health & Physical Education ....................................................................................................... 10  
Electives: Core ............................................................................................................................. 11  
  Art Electives: .............................................................................................................................. 11  
    Drama ..................................................................................................................................... 11  
    ‘Lights, Set Action’ .................................................................................................................. 11  
    Art ........................................................................................................................................... 11  
    Drawing 1 and/or 2 .................................................................................................................... 12  
    Ceramics ..................................................................................................................................... 12  
    Digital Photography .................................................................................................................. 12  
    Popular Music Studies ............................................................................................................. 12  
    Music on the iPad .................................................................................................................... 13  
    Visual Communication and Design .......................................................................................... 13  
Technology Electives: .................................................................................................................. 14  
  Computer Aided Design ............................................................................................................. 14  
  Developing Digital Media .......................................................................................................... 14  
  Systems (Mechatronics) ............................................................................................................ 14  
  Metal & Engineering  1 &/or 2 .................................................................................................... 15  
  Materials- Wood & Plastics 1 &/or 2 .......................................................................................... 15
Textiles .......................................................................................................................... 16
Fabric of the Community ............................................................................................... 16
Jewellery ......................................................................................................................... 16
Cooking For Celebrations ............................................................................................... 17
Multicultural Cooking .................................................................................................... 17
Electives: General ........................................................................................................... 17
English ............................................................................................................................ 17
Literature ........................................................................................................................ 17
Creative Writing .............................................................................................................. 17
LOTE ............................................................................................................................... 18
Mandarin ......................................................................................................................... 18
Maths ............................................................................................................................... 18
Maths in Sport ................................................................................................................. 18
Architecture in Mathematics ......................................................................................... 18
Physical Education ....................................................................................................... 18
Games of the World ...................................................................................................... 18
Netball Studies ............................................................................................................. 19
Year 9 2017 Subject Selection ...................................................................................... 20
Welcome to Year 9  2017

The following pages have been prepared to help you choose the elective units you will undertake in Year 9. Year 9 is an opportunity for students to choose subject areas that interest them in the form of electives, whilst still maintaining the integral core subjects of English, Mathematics, Science, Humanities, Religious Education and Health and Physical Education. The retention of these core subjects through to the end of Year 10 is to ensure that students do not reduce their options when choosing a VCE Course and/or a future career path.

Year 9 is an exciting and important year in the intellectual, physical and social emotional development of our young people and Marian College strongly encourages all students to make the most of every learning opportunity made available to them. It is often through leaving one’s comfort zone and trying something new that a new talent or ability is identified or a lifelong hobby or interest developed.

Careful consideration should be given to the selection of electives and subject outlines need to be read carefully. If you are unsure about what electives your child/ren should choose, please make contact with your child’s TA or subject teachers.

Mrs Carmel Barker
Principal of Marian College

Brigidine Core Values

*In Brigidine Education, we will:*

**Be faithful**
  to our Catholic heritage

**Welcome**
  All people, especially the most vulnerable

**Celebrate**
  all that is good with joy and gratitude

**Engender**
  a love of learning, hope and a sense of purpose

**Image and practise**
  justice and service

Prayer to St Brigid

*St. Brigid*
*Mary of Ireland*
*Ask for us all today*

The courage to do God's bidding
Whatever the world may say
The grace to be strong and valiant
The grace to be firm and true
The grace to be faithful always
To God, His Mother and You.
THE CULTURE OF LEARNING AT MARIAN COLLEGE

Our Commitment to Learning
We encourage excellence and perseverance in learning
We strive for continuous improvement.

Student Learning - Action Statement

I WILL:

- Learn in every lesson
- Come prepared for every lesson in attitude and action
- Respect the learning environment
- Respect the rights of others to learn
- Accept new challenges
- Persevere and complete all tasks to the best of my ability
- Accept feedback as a chance to grow
The Year 9 Course of Study

All Year 9 students must study the following subjects in 2017.

Core Subjects
Religious Education
English
Mathematics
Science
Physical Education & Health
Humanities

Electives
Students will receive (at least) one elective from ART and one elective from TECHNOLOGY. These are considered CORE electives. All other electives will be conducted if sufficient students select these options. These are considered GENERAL electives.

Core Electives

THE ARTS  (Choose at least one)
- Drama
- Lights Set Action
- Art
- Drawing 1 & 2
- Ceramics
- Digital Photography
- Popular Music
- Music on iPads
- Visual Communication & Design

TECHNOLOGY  (Choose at least one)
- Computer Aided Design
- Developing Digital Media
- Materials – Wood & Plastics 1 &/or 2
- Materials – Metal & Engineering 1 &/or 2
- Systems Mechatronics
- Textiles
- The Fabric of Community
- Jewellery (TBC)
- Cooking for Celebration
- Multicultural Cooking

General Electives

ENGLISH
- Literature
- Creative Writing

MATHS
- Maths in Sport
- Architecture in Mathematics

HEALTH & PE
- Games of the World
- Netball Studies

LOTE
- Mandarin (Half Year)
- Mandarin (Full Year)

Picking your subjects:
1. Select an Art Elective
2. Select a Technology Elective
3. Select 4 other Electives from Arts, Technology or General electives
4. Pick 2 reserve electives

Your order of preferences is important!
A sample of the email your child will receive:

**Web Preferences Access Guide**

The following steps outline how to enter your subject preferences online.

1. **Internet Access**
   
   You will need a computer with an internet connection and a printer.
   
   We recommend using Firefox, you may also use Google Chrome or IE 6.0 and above.
   
   Log In to [www.selectmysubjects.com.au](http://www.selectmysubjects.com.au) using:
   
   **Click here to open Web Preferences**
   
   **Student Access Code:** Your Access Code will be here
   
   **Password:** Eg: 1a2b3c

2. **Log In**
   
   To view your subject information click "View Subject Details" at the top right of the screen.

3. **Home Page**
   
   To select/change your preferences, click "Add New Preferences" at the top right of the screen.

4. **Preference Selection**
   
   Select your subjects from the drop down lists, you have 30 minutes to do so.

   Once complete, click "Proceed".

   Note: You are not finished yet.

5. **Preference Validation**
   
   If you are happy with your preferences click "Submit Valid Preferences" which will open your "Preference Receipt".

   Or if you would like to make changes to your preferences click "Cancel" and this will take you back to the Preference Selection page.

6. **Preference Receipt**
   
   You can print your "Preference Receipt" by clicking "Open Print View" and clicking "Print Receipt".

   To continue click "Return to Home Page". If you want to change your preferences, repeat the process by clicking "Add New Preferences", otherwise exit by clicking "Log Out". End of steps.

All instructions will be on the webpage, with available subjects to select.
Religious Education

Course Description
Enrolment at Marian College is an invitation to “come and see” in the spirit of the Gospel invitation of Jesus, within the framework of our Catholic faith and our Brigidine values. The Religious Education experience at Marian College is not just a strong part of our curriculum, but entrenched in our whole school culture and community, which aims to develop religiously literate young people who;

- understand and appreciate religious values
- are positive about life
- have a sense of their own worth and of their contribution to the world
- are able to apply the Gospel values they have acquired, in the context in which they live and work

At a curriculum level, our Religious Education Program from Year 7-10, follows the Awakenings Guidelines mandated for use in Catholic schools in the Ballarat Diocese. Our strands of study cover Christian Prayer, Sacraments, Religion and Society, God, Christian Life, Jesus Christ, Scripture and Church.

At Year 9 students study the following units of work:

1. Who is Jesus?
2. Eucharist - Source of Life
3. Stewardship
5. The Awakenings units are also complemented by Marian College areas of study in Lent, Easter and the Stations of the Cross.

Assessment
- written responses
- posters and power-point presentations
- scripture investigations
- visual representations – drawing, collage, comic strip

English

Course Description
The three key areas for learning and assessment in English from years 7 to 10 are ‘Writing’, ‘Reading and Viewing’ and ‘Speaking and Listening’.

In years 7, 8 and 9 we cover both visual literacy, through film analysis and analysis of images, such as posters, illustrations and photographs, and the more traditional literacy of the printed word, which is taught through the reading of novels, short stories, newspaper articles, poems and multi-media texts (blogs, websites, etc.). Increasing students’ ability to interpret and infer meaning is a key focus, as well increasing their passive vocabulary, i.e. understanding the words they read.

Writing skills are practiced by responding to the texts studies in a range of forms, for example, students may write a formal essay, a creative piece, a persuasive piece or a personal/reflective piece all dealing with the concerns in the text, or inspired by the text. By connecting their writing to the texts studied, students are introduced to new vocabulary, hence broadening their active vocabulary. Through a broad range of texts, on a broad range of socially relevant topics, we also aim to introduce students to new ideas and expand their understanding of the world around them.

Listening skills are practiced every day in the English classroom. We encourage students to listen respectfully to each others’ ideas and learn from each other. Classroom and small group discussion is also a staple of the English class.

Speaking skills are assessed formally with at least one oral presentation per semester.

Texts currently used in the Year 9 English curriculum:

Novels:
- Deadly Unna?
- The Runner
- Of Mice and Men
- Destroying Avalon

Anthologies: The Great Automatic Grammatizator Town

Film: Australian Rules

Poems: My Country
Mathematics

Course Description
Year 9s have 423 minutes per fortnight for mathematics (equivalent to 9 x 47 minute lessons). Students will be engaged in activities from the areas of Number, Algebra, Measurement, Geometry, Statistics and Probability.

A number of problem solving or modelling activities will be undertaken. The activities will require students to use mathematics creatively in order to solve unfamiliar problems as well as applying mathematical methods to real life problems. It is an expectation, that homework is attempted every night for a minimum of 20 minutes.

The use of technology, including calculators and computers, will be integrated into the course.

Assessment
The assessment of each unit of work will be by means of class test(s) and include activities, problems or a project.

Course Content
- Financial Mathematics
- Pythagoras Theorem
- Algebra
- Measurement
- Expanding and Factorising
- Linear Relationships
- Geometric Reasoning
- Trigonometry
- Statistics and Probability
- Non-linear Relationships and Proportion

Science

Course Description
This course will help students to become scientifically and technologically literate citizens who will be able to make decisions about their lifestyle, their environment and the kind of society in which they wish to live. Students will see the connections between science and people, and be aware of the impact of science and technology on society, the individual and the environment. Curiosity and a spirit of inquiry that helps students to be open-minded and value objectivity will be encouraged.

Course Content
Responding and control
Immune system
Ecosystems
Matter
Chemical reactions
Energy: light and sound
Heat and electricity
Plate tectonics

Assessment
- Knowledge
- Practical Knowledge
- Research Skills
Humanities

Humanities in Year 9 is a year long subject.

The general capabilities expected of our students are:
  - Critical and creative thinking
  - Personal and social capability
  - Intercultural understanding
  - Ethical understanding

The areas of study that will be presented each term are as follows:

**Term 1: Civics & Citizenship**

**Term 2: History**
Topics Include: The Industrial Revolution, Australian & Asia.

**Term 3: History**
Topics Include: Australia & Asia and WW1

**Term 4: Geography**
Topics Include: Biomes and food security, Food Production, Agriculture.

**Assessment**
The following assessment pieces will be included:
  - Research
  - Document analysis
  - Essay
  - Test
  - Mapping exercises

Health & Physical Education

**Course Description**
A healthy, physically active lifestyle is conducive to more effective participation in all that society has to offer and greater levels of success within and beyond school. This requires students to develop the knowledge, skills and behaviours that enable them to:
  - Maintain good health and live a healthy lifestyle
  - Understand the role of physical activity in ensuring good health
  - Engage in physical activity

In Year 9 students continue develop proficiency in a range of high-level movement and manipulative skills, and focus on identifying and implementing ways of improving the quality of their performance during games, physical activities and sports.

**Course content**
- Swimming/Lifesaving
- Personal Identity/Values
- Athletics
- Supa netball
- Health & Illness in Australia
- Softcrosse
- Table tennis
- Volleyball
- Supa netball
- Fitness testing
- Risk Taking
- Food for thought
- Relationships

**Assessment**
  - Participation & Motivation
  - Skill Development
  - Interpersonal Skills
  - Written Tasks
Electives: Core

Art Electives:
Students will study a minimum of one Art elective in Year 9.

Throughout the arts electives students are encouraged to develop and refine an emerging personal style. An imaginative personal style is demonstrated in the students’ use of selected art elements and principles in completed works. Students are encouraged to develop skills in particular techniques and processes which will contribute to the final visualisation of ideas in their completed art works. Students will gain an understanding of the design process to strengthen their produced art work.

Drama
(Duration: One semester)

Course Description
This unit aims to explore the process of play production from the pre-rehearsal through to the post-production stage. This course will incorporate dramatic skills such as auditioning, script reading and characterisation, as well as a variety of stagecraft areas such as directing, acting, costume design, set design, lighting and sound design.

Course Content
• Script reading and selection
• Audition techniques
• Characterisation
• Stagecraft workshops
• Rehearsal and performance of a One Act Play

Assessment
• Journal
• Stagecraft Folio
• Performance Reviews
• Stagecraft Reviews
• Production of a One Act Play

‘Lights, Set Action’
(Duration: One semester)

Course Description
Students to undertake a practical class that helps design, plan and create (build/sew/paint/design) elements of the school production in consultation with the Director and other specialist staff. The subject requires commitment, independence and creativity. This subject encourages skills such as communication, teamwork, collaboration, design, problem solving, negotiation, budgeting, commitment and community service.

The course would include some/all of the following
I. Costume design and construction
II. Set Design and construction/painting
III. Properties design/collection/construction
IV. Promotions and Publicity: Poster and program design
V. Lighting and sound design

Assessment:
• Folio
• Practical: Logbook
• Evaluation.

Art
(Duration: One semester)

Course description:
This unit builds on the skills and knowledge covered in their junior art core program. This will help prepare the students for a pathway towards VCE Studio Art. Through examination of important artworks, movements and artists, appropriate language for discussing, comparing and analysing work will be developed. This unit is designed to stimulate creativity, encourage problem solving and make the students aware of the broad range of mediums and techniques that are available to them.

Assessment tasks:
• Class assessments
• Visual diary
**Drawing 1 and/or 2**  
(Duration: One semester)

**Course Description**  
Drawing is a fundamental skill to develop, that will help inform all areas of art practice. Students will be guided through a range of drawing experiences and processes. This is an essential pre requisite. The ability to visually express yourself provides artists with the ability to progress in any of their chosen areas.

**Assessment Tasks**  
- Folio of assignment work  
- Annotated visual diary.

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**Ceramics**  
(Duration: One semester)

**Course Description**  
Ceramics is one of the most enduring of all the arts and proof of its production is stamped across the history of civilisation. Ceramics reflects both technological and cultural progress across the millennia and it is evident from pre-history to the present. The need for creating beautiful objects in clay will prevail. Ceramics provides us with the complete hand and mind art activity, satisfying both creative and manipulative skills. Ceramics also requires simple understanding of science, chemistry and logic.

Learning in Ceramics allows students to:

- Develop manipulative skills that can be imaginative and expressive,  
- Develop creative skills within the constraints of ceramic materials and technology.  
- Analyse and understand their own work in the context of an ancient art form and reflect on the purpose and function for which ceramic works are created.  
- Understand the science of the physical properties of ceramic materials.  
- Use appropriate ceramic language and terminology.

**Assessment Tasks**  
- Class projects  
- iPad presentation

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**Digital Photography**  
(Duration: One semester)

**Course Description**  
Students will be introduced to a range of skills in this course to develop their sense of composition in photographic artworks. They will gain skills in editing their images and will cover the key art elements and principles.

This course aims to give the students skills that can be used across a broad range of subjects and will see them confident to create digital artworks. These skills can also be further used in the VCE Studio Art pathway.

**Assessment Tasks**  
- Digital portfolio  
- Class assessments

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**Popular Music Studies**  
(Duration: One semester)

**Course Description**  
Popular Music Studies explores the history and development of popular music in western culture, focusing particularly on the development of Ragtime, Blues, Swing, Jazz, Rock ‘n’ Roll and beyond. Students research and discuss the social and political context of an era and identify the subsequent influences on the Popular Music culture of the time. This unit also has a significant practical component, developing guitar and keyboard skills with a focus on composition and arrangement.

**Course Content**  
- Listening Diary  
- Comprehensive history of different genres of Popular Music  
- Major Scales  
- Chords and Primary Triads  
- Blues Song Structure (12-Bar Blues)

**Assessment**  
- Listening Diary  
- Research Assignment and Time Line  
- Composition Task and Performance – 12-Bar Blues Song  
- Theory/aural Test
Music on the iPad  
(Duration: One semester)  

Course Description  
Music on the iPad explores the study of music using technology in different formats. Students study music through the use of different music programs, particularly working with Garage Band, Isle of Tune, MadPad HD, Sonic Pics, and Notion. Students will compose and arrange different pieces of music using these programs, both using pre-existing musical resources on the iPad, as well as recordings that students create.

Course Content  
• Rhythm in music  
• Tonality, consonance and dissonance in music  
• Chords and Primary Triads  
• Texture/Timbre and instrumentation  

Assessment  
• Garage Band Arrangement Assignment  
• Isle of Tune Composition Assignment  
• Notion Composition Assignment  
• Group narrative creation

Visual Communication and Design  
(Duration: One semester)  

Course Description  
Visual communication is the communication of information by visual means. It leads not only into graphic and commercial art and design areas, but media and related occupations. This study help students gain an insight into the design profession. Students will develop an understanding of the design process from initial ideas and concept sketches to quality final presentation work.

Course Content  
Students will be challenged with solving various real life tasks presented through design briefs, such as music festival advertising and product logo design. Freehand technical drawing and illustration skills will be developed.

Assessment  
• Visual diary  
• Folio of Assignment work
Technology Electives:

Students will study a minimum of one Technology elective in Year 9

Computer Aided Design
(Duration: One semester)

Course Description
Computer Aided Design (CAD) is an Technology subject, therefore an technical perspective will be taken to the teaching and learning strategies used throughout the unit.
CAD involves using the computer and software to produce three dimensional design drawings and plans.
CAD relies on the use of computer software, which needs to be learned. The CAD program we use is ProDesktop and while it is easier for students to pick up than most CAD programs it is still a complex and immensely capable program.

Activities
- 3D Printing
- Design Drawings – history, 2D drawings, 3D drawings
- Introduction to ProDesktop – toolbars, tools, basic functions
- Drawing 3D objects
- Drawing Planes
- Rendering
- Assembling Complex Drawings
- Engineering Drawings

Assessment
- Demonstrate proficiency in the use of ProDesktop’s various tools
- Carry out a series of graded tasks on the computer
- Produce a folio of Design Work.

Developing Digital Media
(Duration: One semester)

Course Description
Students explore many interesting and diverse areas of digital media enabling them to form a basic understanding and build a more advanced knowledge and level expertise in a range of exciting media formats. Students will examine ethical issues, cybersafety and follow a design process.

Course Content
- Podcasts
- Web pages
- Screen casts
- Photography
- Social media
- Video editing

Assessment
Students will demonstrate their competency and abilities in different aspects of the course in the form of presentations, assignments and a digital portfolio

Systems (Mechatronics)
(Duration: One semester)

Course Description
Systems Mechatronics combines both Electronic and Mechanical principles. Students consider the principles, structure, logic and organisation of systems, and research how community and industrial standards affect the design and development of systems.

Students increasingly understand the components of systems as well as how changes made to inputs and processes affect output. Students work with a range of systems, that combine mechanical and electronic principles ie (Mechatronics)

Course Activities
- Basic electrical and mechanical theory – series and parallel circuits, Ohm’s Law, power, gears, pulleys, levers, etc. PILAXE programming principles
- Symbology and circuit diagrams
- Construction of a range of projects, eg amplifier and iPod dock
- Construct and program a PILAXE micro computer controlled robot (time permitting)
- Programming in PIL basic

Assessment
- Production of a PILAXE based robot or amplifier and iPod dock
- Tests to determine knowledge of underpinning technical knowledge – verbal and written.
- Work book/folio of theory, design and programming tasks.
**Metal & Engineering 1 &/or 2**  
(Duration: One or two semester)

**Course Description**  
Students explore the social and environmental implications of using various materials. They start to recognize that the supply of some materials is limited, and examine possibilities for reusing and recycling materials. They use materials tests to determine the appropriateness of materials for particular purposes. Students design and produce a range of products using hand and power tools and a range of welding processes.

**Course Content**  
- Design and construct a range of products using metals and metal working skills including hand and machining skills  
- Lathe work  
- Safe operating procedures. PPE, OHS  
- Oxygen/Acetylene and Arc welding  
- Each student constructs a range of metal projects  
- Selecting appropriate materials  
- Analyzing products with reference to specified criteria

**Assessment**  
- Demonstrate competency in the use of a range of welding and engineering skills  
- Design and produce a range of products  
- Workbook containing designs for production projects and a record of class-work.  
- Assignment on selecting materials, processes and tools for particular tasks

**Materials- Wood & Plastics 1 &/or 2**  
(Duration: One or two semesters)

**Course Description**  
There are three phases involved in the technology process. These are: investigating/designing, production and analyzing/evaluating. Each stage involves research and the development and application of knowledge, skills, equipment, materials and information to create useful products. Students explore various materials. Students design, produce and evaluate a range of products using hand and power tools.

**Course Content**  
Investigating and designing: Working from a design brief students undertake relevant research to generate a range of options, from which they select a preferred option. They then create a realistic production plan to suit their project.

**Producing:** Students work safely using a range of tools (some complex), equipment and procedures with precision. They apply their understanding of the properties and characteristics of materials. Students make products that meet the requirements outlined in their design brief.

**Analyzing and evaluating:** Students critically evaluate and analyse the processes, materials and equipment used during the production process as part of the overall evaluation of the end product.

**Assessment**  
- Safety in the Workshop - OHS  
- Assignment on properties of materials - research  
- Workbook- design exercises, evaluation tasks and class work (sometimes drawings)  
- Production of a range of products.  
- CAD drawing
Textiles
(Duration: One semester)
Course Description
Students continue to develop their fibre and fabric knowledge and skills and to design and produce a range of products. They develop their garment construction skills and commercial pattern knowledge. They also develop their knitting and/or crotchet skills. Students explore a range of fabric embellishment and exploratory manipulation techniques. They work to a design brief and meet specifications.

Course Content
- Safety in the technology classroom
- Fibre & fabric properties and characteristics
- Knitting and/or crotchet
- Sewing machine and garment construction skills
- Surface manipulation and embellishment Thinking strategies for designing
- The design brief and specifications
- The design process
- Written assignment

Assessment
- Visual diary
- Range of experimental samples
- Garment using a commercial pattern -pyjama or boxers
- Knitted or crochet product
- Decorated bra
- Written assignment

End products may include weighted blankets/vest, sensory blankets, quilts, knee rugs, kits for foster children (eg bag, soft toy, quilt)

Course Content:
- Safety in the technology classroom
- Research
- Design Plan
- Construction skill development,

Assessment:
- Research Report
- Visual Diary
- End products (will vary)

Jewellery
(Duration: One semester)

Course Description
This “hands on” course will develop and expand students’ knowledge of a range of materials, fine motorskill development, attitudes to resources and recycling and cooperative work in a safe environment

Aims
- use and understand a range of natural and man made materials
- make a series of small beautiful objects
- develop general capabilities of literacy, numeracy, ICT, creativity, personal competency and intercultural understanding.

Students will research and make a range of objects
- bracelet, earring, rings, pendant, brooch or necklace
- jewellery box, small container or slumped glass
- wallet, picture frame or mirror
- object from a different culture or era

Students will use a range of “found” or recycled materials
- wood, copper, aluminium, brass and steel
- inner tube, tetra pak and old skateboards
- leather, material, wire and fishing tackle
**Cooking For Celebrations**  
(Duragton: One semester)  

**Course Description**  
This unit focuses on planning and preparing for a range of celebrations involving both traditional and non-traditional foods – Christmas, friends parties, family birthdays, etc. Sweet and savoury foods as well as cake decorating are included.  

**Course Content**  
Students study a variety of celebrations and the foods associated with them. Related cooking methods and styles are them utilised in the practical component of this subject.  

**Assessments**  
- Workbook  
- Practical sessions  
- Assignment – 2 Course Dinner party.  
- Assignment – Decorating a ‘Fantasy Cake’.

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**Multicultural Cooking**  
(Duration: One semester)  

**Course Description**  
In this unit students will experience a range of foods and cultures from countries other than Australia.  

**Course Content**  
In one part of the semester, students study a variety of cultures which have influences on our eating patterns – Asian, Thai, Italian, French, Indian etc. Relevant cooking methods and reasons why certain foods are used are studied. Each week a typical meal from each country is prepared. In the other part of the semester students work in pairs to research a country of their choice. They complete a major assignment on this country and present it to the class. Each pair of students selects an appropriate recipe which is prepared in the class.  

**Assessments**  
- Workbook  
- Practical sessions  
- Assignment “Tastes of the Globe”

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**Electives: General**

**English**

**Literature**  
(Duration: One semester)  

**Course Description:**  
Literature at Year 9 is for students who would like to spend more time developing creative writing skills and who enjoy reading a wide range of texts. The course focuses on reading novels, plays and short stories, to examine the world of the author. Film and filmic techniques are also looked at to learn about the choices directors make to construct a film. Students keep a journal of their writing throughout the course. Relevant creative writing competitions and an excursion to the Melbourne Writer’s Festival are also part of the course content.  

**Assessment:**  
- Personal responses to literature  
- Reading assignments

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**Creative Writing**  
(Duration: One semester)  

**Course Description:**  
This subject offers young writers the chance to explore different styles of writing and to create and present their own anthology of short creative pieces of writing. Students will experiment with different genres, including prose short stories, script writing and poetry until they find the style(s) of writing through which they can best express their creativity.  

**Assessments**  
- Creative writing – children’s literature  
- Reflective writing – introspective journal
LOTE

Mandarin
(Duration: Two semesters)

Course Description
Mandarin at Year 9 is an elective subject that covers 2 of the 8 elective blocks on offer, that is, it runs for the full year instead of a single semester. The course content is designed to build upon knowledge and skills learnt in Years 7 and 8. More specifically the topics are oriented toward a trip to China, either with the biennial school trip with other schools in Ararat, or of the student/family’s own undertaking.

Topics may include:
- Shopping, money and prices
- Asking for and giving directions
- Travelling by bus
- Chinese holidays and festivals

Assessment Tasks
- Written assignments
- Oral Activities/Presentations
- Projects on China

Maths

Maths in Sport
(combined with Year 10) (Jikki Gibson)

(Duration: One semester, 282 minutes per fortnight
(equivalent to 6 x 47 minute lessons)

Course Description
This subject aims to give students an insight into the any ways that sport uses Mathematics. In a hands-on approach, students will have the opportunity to explore many of the following topics:


This subject aims to bring maths to life and will not only improve the students’ understanding of maths, but will also promote and encourage a healthy lifestyle.

Architecture in Mathematics
(Valerie Augustin)

(Duration: One semester, 282 minutes per fortnight
(equivalent to 6 x 47 minute lessons)

Course Description
This subject aims to give students an insight into the many ways that architecture uses Mathematics, specifically the architecture of Antoni Gaudi. The architecture of Antoni Gaudi contains complex, beautiful mathematical shapes, and he used many mathematical principles as part of the design process. It is a real life application of sinusoidal and hyperbolic functions. Where possible students will construct miniature versions of Gaudi architecture and also design and create their own models.

This subject aims to inspire students who are interested in architecture to use mathematics and computer models to aid design.

Physical Education

Games of the World
(Duration: One semester)

Course Description
A healthy, physically active lifestyle is conducive to more effective participation in all that society has to offer and greater levels of success within and beyond school. This requires students to develop the knowledge, skills and behaviours that enable them to:

- Maintain good health and live a healthy lifestyle
- Understand the role of physical activity in ensuring good health
- Engage in physical activity

This subject will enable students to investigate the variety of games and sports that are played in various parts of the world. Elements of geography, history & culture will be learnt along the journey and plenty of time for hands-on practical sessions of the various activities.

Course Content
- Games & sports of Europe
- Games & sports of Asia
- Games & sports of South America
- Indigenous games & sports
**Netball Studies**
(Duration: One semester)

**Course Description**
A healthy, physically active lifestyle is conducive to more effective participation in all that society has to offer and greater levels of success within and beyond school. This requires students to develop the knowledge, skills and behaviours that enable them to:

- Maintain good health and live a healthy lifestyle
- Understand the role of physical activity in ensuring good health

Students will conduct an in-depth analysis of various aspects of the sport of netball. Practical sessions will be complemented by theoretical components of the course.

**Course Content**
- Teamwork, strategies & tactics
- Attacking & Defensive skills
- Training for netball
- History & culture of netball
- Coaching & umpiring netball
**Student’s name:___________________________________________________**

**Year 9 2017 Subject Selection**

Subject selections MUST be completed online via Webpreferences by August 19. Refer to your student email from webpreferences for access to your student portal.

**Core Subjects**
- Religious Education
- English
- Maths
- Science
- Humanities
- Physical Education

**Electives**
Students must choose one elective from each of the following:
- Art
- Technology

**Art (must pick at least one)**
- Drama
- Lights Set Action
- Art
- Drawing 1 and/or 2
- Ceramics
- Digital Photography
- Popular Music
- Music on the iPad
- Visual Communication

**Technology (must pick at least one)**
- Computer Aided Design
- Developing Digital Media
- Systems – Mechatronics
- Metal and Engineering 1 &/or 2
- Materials, Wood & Plastics 1/2 2
- Textiles
- Fabric of Community
- Jewellery
- Cooking For Celebration
- Multicultural Cooking

**General Electives**

**English**
- Literature
- Creative Writing

**Maths**
- Maths in Sport
- Architecture in Mathematics

**Health & PE**
- Games of the World
- Netball Studies

**LOTE**
- Mandarin (Half Year)
- Mandarin (Full Year)

**YEAR 9 2017**

Electives that I am thinking about

You must submit your choices online - (Webpreferences).

1. ____________________ (Art)
2. ____________________ (Tech)
3. ____________________
4. ____________________
5. ____________________
6. ____________________
7. ____________________
8. ____________________

9. ____________________ (Spare)
10. ____________________ (Spare)

**Picking your subjects:**
1. Select an Art Elective
2. Select a Technology Elective
3. Select 4 other Electives from Arts, Technology or General electives
4. Pick 2 reserve electives