MAITLANDhighschool

Year 10 2020
Z elective

An information booklet for students

NSW GOVERNMENT Education & Communities

QR Codes

A QR code is a machine-readable code consisting of an array of black and white squares. They can be read on any smartphone or tablet and store all sorts of information.

Download a QR reader (free) onto your smartphone and find out what information they contain.

Throughout the booklet you will find some QR codes for several different subject areas.

This QR code contains our new school website.

Contents

BAKING with a TWIST

KLA: TAS



Course Description

This course is an EXTENSION course for Catering and Events. It focuses on developing pastry and baking skills. Students will learn techniques to develop catering skills and food presentation

What will students learn about?

Students will learn about food service and catering for high teas and specialised events. They will learn about baking and working with pastry-based foods. Students will also learn about specialised desserts to extend on their food production and methods of cookery skills

Students will experience practical and theory components relevant to this course. Students will be required to support school catering events and learn the standard of professionalism required in this field

Assessment:

Assessment is related to practical tasks completed together with a theory component.

Additional Requirements

Students **MUST** wear sturdy upper leather covered shoes to practical lessons. All students are required to wear a plain black polo style shirt and long black pants at catering events.

Course Fee: $80



BIG GIG

KLA: CAPA



Course Description

The Big Gig provides an opportunity for students to collaborate with different instruments, using them to perform and compose in groups or individually. By spending time focusing on their musical instruments of choice, students get to experiment and explore various music genres and styles. Group work is emphasised, with students taking on roles they feel more comfortable with and working towards school-based and public performances as well as working on composition and exploring digital tools associated with contemporary music practices. Visits to local industry venues, such as Musos Corner recording studio, local performance spaces and theatres, the Conservatorium and performances are also embedded into the program where dates and times suit the school calendar.

What will students learn about?

- A range of musical styles, genres and techniques
- Working collaboratively to plan, run and perform at a range of venues and events
- Understanding the roles and requirements to work as a band
- Exploring the practices of technology in contemporary music practice
- Collaborative composition

Assessment:

- Listening skills, both from the topics covered and of class performances, to improve practical skills and understanding of group work
- Performance and composition work , individual and collaborative

Additional Requirements

Music exercise book and a plastic sleeve booklet for handouts

Course Fee: $20



CATERING & EVENTS

KLA: TAS

Course Description:
Catering and Events is aimed at students who are interested in the hospitality field as this course focuses on a combination of the hospitality and food industries. This course will be addressing various food preparation techniques and cookery skills.

What will students learn about?
Students will learn about food service and catering ventures and how they operate. They will plan and prepare foods for catering for small and larger scale. In addition, students will learn an appreciation for catering for various dietary needs such as vegetarian and gluten intolerance.

What will students learn to do?
Students will experience practical skills and study the theory components relevant to this course. Students will be required to support school catering events and learn the standard of professionalism required in this field. They will learn basic commercial cookery skills including chef-like knife skills and gourmet catering.

Assessment:
Assessment is related to practical tasks completed together with a theory component. There is a project based component where students will develop a folio of evidence of their methods of cookery and presentation standards.

Additional Requirements:
Students MUST wear sturdy upper leather covered shoes to ALL practical lessons. They must bring their own container to take food home for each lesson. All students are required to wear a plain black polo-style shirt and black pants (not tights) at catering events.

Course Fee: $80

DESIGN IT

KLA: TAS

Course Description:
Students will have an opportunity to create, develop ideas and evaluate their projects using various materials and equipment. Items could incorporate materials from the areas of textiles, electronics, engineering, timber and/or metals. The use of electronic components and 3D printers will be used to create various aspects of student designs.

What will students learn about?
Students will have opportunities to design, manufacture and problem solve. Student projects will relate to real-life products, which may include items like: eco-lamps, clocks, stationery holders, e-textile/interior designs, up-recycling.

What will students learn to do?
Students will develop their skills and knowledge to create products using different materials. This will occur as they create two different projects each semester and will support this with a design folio.

Assessment:
Assessment in the course includes both theory and practical tasks. Each project will be supported with a design folio which shows the stages of production and research skills. This will include researching, as well as testing and evaluating their projects.

Additional Requirements:
Students MUST wear sturdy upper leather covered shoes to ALL practical lessons. They MUST also wear protective clothing (dust coat, hair net and safety glasses), and a project bag (old pillowcase is suitable)

Course Fee: $70 ($35 per semester)

EXTREME WORLD – PEOPLE VS PLANET

KLA: HSIE



Course Description:

A new and exciting course that is EXTREMELY different to the mandatory Geography course you know. EXTREME world is a dynamic course which provides students with the opportunity to explore the world around them through film, field work and computer-based technologies.

What will students learn about?

Topics may include: extreme natural hazards and disasters; life- threatening expeditions to the world's most treacherous places; hazardous weather conditions; dangerous world conflicts and human interactions; environments at risk; war on waste; Climate Change; Oceanography; Population clocks; extinct and endangered species; traditional and contemporary management and much, much more.

What will students learn to do?

EXTREME World provides students with the opportunity to extend their knowledge of physical geography and the processes of geographical inquiry. This is a course not just for students who love Geography but those want to investigate and explore the awe-inspiring world around them.

Special Features:

The course is designed to attract students who have an interest in the environment, allowing them to explore topics broader than the mandatory Geography course allows. In addition to a list of topics, students may also develop and practise fieldwork methods and skills. This course will provide a valuable background to many courses offered in the senior school such as Geography, Legal Studies and Biology.

Assessment: Field Work, research tasks, bookwork, topic quizzes and homework.



GAMING & VR IN UNITY 3D

KLA: COMPUTING

Course Description:

"Coding is today's language of creativity. All our children deserve a chance to become *creators* instead of *consumers* of computer science".
It's hard to imagine a single career that doesn't have a need for someone who can code. Everything that "just works" has some type of code that makes it run. Coding (a.k.a. programming) is all around us.

Be a master of your own kingdom!!! No prior knowledge required.

What will students learn about?

Students will learn problem-solving skills, creativity and enhance their logical thinking skills as they learn about the science of coding and take a design concept to create a marketable product.

What will students learn to do?

Students are involved in a variety of projects to promote skills development in the areas of creative programming, game development and virtual reality (VR).

Unity3D software is primarily used as this software is free and can be readily downloaded at home.

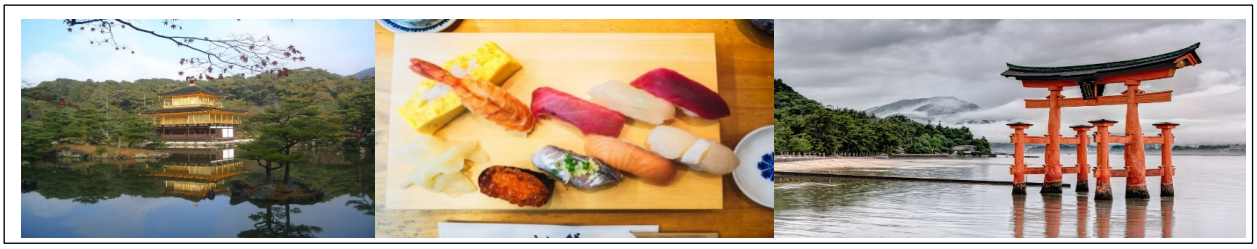
Assessment:

Assessment is based on practical activities throughout the year.

Course Fee: $25

JAPANESE

KLA: LOTE



Course Description:

From 2019, the new syllabus for Japanese based on the Australian Curriculum will be implemented. The new syllabus has two strands: a communicating strand and an understanding strand which aim to develop the learner's ability to interact in a variety of situations in the Japanese language.

What will students learn about?

- Daily life of Japanese teenagers
- Systems of Japanese language
- The impact of media and technology on Japanese language and culture

What will students learn to do?

- Interact with others in Japanese in various social and professional situations
- Share information about significant events in their own life
- Daily life interactions in Japan (ordering food in a restaurant, catching public transport, etc
- Create a range of texts for Japanese speaking members of the community

Assessment:

Typical assessments over the 2 year course include in class examinations, communicating tasks, and researching a chosen topic to compose an informative text.

Course Fee: $30 for coursebook

A small additional cost may be required at times when foods / excursions are involved.

MYSTERIES & CONSPIRACIES

KLA: HSIE

Course Description:

This course focuses on an investigation of a range of mysteries and conspiracies throughout ancient and modern times. Students will investigate various theories behind some famous historical mysteries and conspiracies and draw conclusions using the available evidence.

What will students learn about?

Examples of conspiracies may include: JFK's assassination; the disappearance of Amelia Earhart; the moon landing; 9/11 and the death of Princess Diana. Some mysteries of history could include: crop circles; Area 51 and Roswell; the Loch Ness monster and Stonehenge. Topics may be chosen based on student interest.

What will students learn to do?

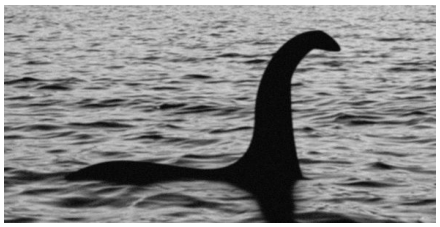
Students will learn how to: work in a team; discern the reliability and credentials of internet based information; use effective historical research practices to create reports and craft their historical presentation skills.

Special Features:

The course is designed to attract students who have an interest in history, allowing them to explore topics broader than the mandatory course allows. In addition to a list of topics, students may also choose to study topics of particular interest to them.

Assessment:

Research assignments and presentations, bookwork, topic quizzes and homework activities.



OUTDOOR RECREATION

KLA: PDHPE



Course Description:

This course would appeal to any student interested in further study in PDHPE and Outdoor Recreation. It provides an excellent link with senior studies and for students interested in coaching or participating in recreational and sporting activities.

What will students learn about?

This course is designed to give students interested in Outdoor Recreation an opportunity to develop their skills, understandings and attitudes associated with safe and enjoyable outdoor recreation activities. Study of these areas aims to provide opportunities for developing leadership, techniques for group involvement, understandings about conservation, and methods employed to manage risk in outdoor recreation activities. At times the course will be physically demanding, which serves as an excellent source of health maintenance

What will students learn to do?

Students will learn the value of outdoor recreation, the technical skills and understandings needed for safe participation in outdoor recreation together with the impact of group dynamics on the outdoor experience and orienteering and navigational skills.

Assessment:

Typical course assessment tasks include laboratory reports, research reports, outdoor recreation skills testing and formal written examinations.

Additional Requirements:

Students must be prepared to be very physically active. Several excursions occur which involve costs for transport and venue hire. These costs are paid directly to the venues. An overnight excursion is also planned for Term 4.



PYTHON & CINEMATIC 3D

KLA: COMPUTING

Course Description:

The way we do things in many industries is changing perhaps more rapidly than ever before. Modern technologies are growing and evolving at exponential rates. Technologies such as robotics, automation, drones, artificial intelligence and 3D printing continue to reshape the world. We are living in a realm of new technology, which includes that of coding, 3D design and printing. In this course you will be exposed to 3D design software to create 3D objects which you can then print. You will also be exposed to coding using one of the most common languages in industry, Python and the animated design software called Processing to create designs and games.

What will students learn about?

Students will develop problem-solving and creativity skills and enhance their logical thinking skills as they learn about the science of coding and concepts of design. Each unit will begin with an overview of the learning environment, followed by introductory skills, techniques, demonstrations, tutorials and appropriate terminology, culminating into a creative project to showcase the learning that has occurred each unit.

What will students learn to do?

Students are involved in a variety of projects to promote skills development in the areas of creative design. The main software used will be Cinema 4D, Python and Processing.

Assessment:

Assessment is based on practical activities throughout the year.

Course Fee: $30

RUGBY LEAGUE STUDIES

KLA: PDHPE

Course Description:

This course would appeal to any student interested in further study in PDHPE and Rugby League. It provides an excellent link with senior studies and for students interested in coaching, participating in Rugby League and the many occupations associated with the sport.

What will students learn about?

This course is designed to give students interested in Rugby League an opportunity to develop their skills, understandings and attitudes associated with Rugby League and related sports. Study of these areas aim to provide opportunities for developing leadership and teamwork, skills and knowledge of Rugby League, and understanding the history of the game. At times the course will be physically demanding, which serves as an excellent source of health maintenance

What will students learn to do?

Students will learn about the history of Rugby League, training methods, skill acquisition, officiating, safe participation and common sports injuries. Students may participate in a Modified Games Course (MGC) and complete a League Safe course to enable them to assist at Rugby League events.

Assessment:

Typical course assessment tasks include laboratory reports, ICT research reports and online courses, skills and game play testing, coaching, and formal written examinations.

Additional Requirements:

Students must be prepared to be very physically active. Costs for this elective may include MGC and League Safe courses. Additionally, an excursion to the Knights Stadium will incur a bus cost.

STEM like a GIRL

KLA: COMPUTING

BE PART OF THE MOVEMENT FOR CHANGE ……

What the research says:

STEM is fundamental to every part of our lives, but there is currently a big achievement gap between girls and boys in STEM within schools and women are vastly underrepresented in STEM jobs and among STEM degree holders. Although there has been significant advancement in educating and promoting STEM activities for girls, women still hold only 27% of STEM jobs in Australia.

Why do we need more girls in STEM?

Because diversity is key to us creating a workforce which is capable of building the technology of the future. Less females participating in STEM fields also limits creativity and innovation.

Girls and women around the world are accomplishing great things in STEM, whether through personal hobbies, community projects or ongoing careers. Encouraging girls to try STEM activities and continue their studies in STEM opens up a wide range of possibilities for future careers. Girls from many different walks of life are finding enjoyment, confidence and support to engage with STEM.

Course description:

Inspiring girls to develop interest and confidence in STEM through hands-on activities. The aim is to give girls access to technology and programs to build their skills and confidence in a safe and low-stakes environment.

What will students learn about?

Students will be involved in an introduction to a variety of digital skills sets and applications including Photoshop, Python, InDesign, Wearable Textiles and Premiere Pro.
The course will be primarily practical with students completing a variety of tasks, both group and individual, to develop collaboration, creativity and independent research in preparation for success in Stage 6 courses.

> We need all hands on deck. And that means clearing hurdles for women and girls as they navigate careers in science, technology, engineering and math.
>
> MICHELLE OBAMA

Assessment: Assessment is based on practical activities throughout the year. There will be an opportunity to be involved in several Statewide competitions which will provide the students with the opportunity to showcase their skills to the broader community.

THEATRE DESIGN

KLA: CAPA



Course Description

Theatre Design is an innovative course that gives students the opportunity to explore the other creative skills involved in the theatre beyond just performance. Students can explore creative areas of theatre such as set and costume design and manufacture, promotion design and ticketing, prop design and construction, stage make-up and technical areas of production such as sound and lighting. The course will look at a range of stage and theatre productions as case studies and will have the opportunity to play a crucial behind the scenes role in the Maitland High School production.

What will students learn about?

Students will learn the many and varied roles that are critical in developing a successful stage performance. Students will explore the many creative jobs that exist with in this field and that the creative aspects of a successful stage show or musical go well beyond the actors and their performance. Students will research the many creative areas of theatre and the processes and skills required to develop a successful production.

Students will learn about the aspect of design specific to theatre and stage production. They will develop skills to interpret elements of a script to create the visual elements that bring characters and scenes to life, costumes, make up, sets, props, sound, lighting and promotional material.

Assessment:

Design portfolio, a major work specific to the chosen area of theatre arts and design

Additional Requirements

Process Diary, general stationery (2B Lead Pencil, pen, glue and scissors)

Course Fee: $20

TOWARDS INDEPENDENCE

KLA: HSIE


Course Description:

A course that prepares students for effective and responsible participation in society. Students will develop the skills to enable them to make sound decisions on consumer, financial, legal and employment issues. It develops in students an understanding of commercial and legal processes which will support students to become aware of their personal financial management.

The course is designed to attract students who may wish to study Business Studies or Legal Studies in the senior school. Students can also study this course if they wish to further their understanding of what it means to be financially literate and are able to work towards financial independence.

What will students learn about

Topics may include Personal Finance, E-Commerce, Promoting and Selling, Political Involvement, Law in Action, Travel, Running a Business, Financial Literacy.

What will students learn to do?

Students will develop the ability to work towards independence. They will develop financial literacy which will enable them to participate in the financial system in an informed way. Concepts such as budgeting for a purchase such as a car or mobile phone, or saving for a holiday will be covered. Students can also develop their understanding of how they can become politically astute and involved in design making.

Assessment: Design Portfolio of works, Visual Design assessment tasks.

Additional Requirements: Visual Arts Process Diary, 2B, 4B pencil, felt tip pen.

Course fee: $25



VISUAL DESIGN

KLA: CAPA

Course Description:

Visual Design is an exciting and constantly expanding field of artistic expression aligned to commercial career applications. This course builds on the mandatory studies covered in Year 8 & 9 Visual Arts and provides an opportunity to investigate design in much greater depth, and on a more personal level. Students can explore areas of interest and resolve design problems to build a folio of work. This course also provides a sound base for students wishing to further develop their skills and knowledge by studying Visual Arts, Photography or Visual Design in the senior school.

What will students learn about?

Visual Design involves the use of a range of Visual Arts technologies, both traditional and digital. Students engage in a range of graphic design units based on an introduction the skills and technology used by a range of artists and designers working in fields such as graphic art, interior design, fashion design, theatre make-up, special effects and set design. Through study and investigation, students will examine the work of historical and contemporary designers.

What will students learn to do?

This course focuses on graphic 2D and some 3D design tasks. It aligns strongly to commercial applications of design and develops strong compositional and material design skills.

Assessment: Design Portfolio of works, Visual Design assessment tasks.

Additional Requirements: Visual Arts Process Diary, 2B, 4B pencil, felt tip pen.

Course fee: $25