YEAR 10 **2022**

INDEPENDENT STUDY OPTION FOR FLYERS

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CERTIFICATE 2 QUALIFICATIONS

At this stage we are investigating and gauging interest for the areas in which girls interested to complete a Certificate II qualification. Students are to select one of these areas as an Expression of Interest only. Confirmation of these courses will only proceed with sufficient student numbers and the engagement of a suitable RTO (Registered Training Organisation). These qualifications will run for 2 lessons a week and will contribute 4 points towards a student's Queensland Certificate of Education.

Certificate II Sport & Recreation
This entry-level qualification will equip students with the skills to provide assistance at community recreation centres, aquatic centres, outdoor sporting grounds, or progress into further studies. Students are involved with the delivery of sport/recreation programs within their school community. This qualification includes First Aid, CPR, officiating and coaching accreditations.

Certificate II Hospitality
This qualification offers students an introduction to hospitality, the basic skills to work effectively and safely, interact with customers, increase hospitality knowledge and skills and boost cultural awareness. It will equip students with the operational knowledge for work in various hospitality settings, such as restaurants, hotels, catering operations, motels, clubs, pubs, cafes and coffee shops.

Certificate II Health Support Services
This qualification will provide foundation skills necessary to work in an assistant role in a health, aged or residential care setting, or to undertake further study in the field. This course will equip students to work with people from diverse backgrounds, recognise body healthy systems, respond to behaviours of concern, and transport patients.

Certificate II Community Services
This qualification will provide the foundation skills required to enter the community services industry or F R P S O H W H I X U W K H U V W X G L H V L Q W K L V I L H O G $ F F R U G L Q J W R number of people working in community and welfare support is expected to grow strongly in the coming years. This course will provide students with a basic understanding of the skills required to work within a variety of fields including health, education, social work, aged care and disability services.

Certificate II Active Volunteering
This qualification is designed for individuals who wish to engage in a meaningful way with their community through volunteering. The qualification develops interpersonal, organisational and time management skills that are transferable to all workplace environments. Students will develop an understanding of the concepts of service learning, volunteering and community work through engagement with the community both within and external to the School.

CORE SUBJECTS

ENGLISH

COURSE OVERVIEW

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world views to interpret and construct English texts that share their ideas, persuade audiences and address issues and events in their own lives and communities.

The Years 9 and 10 English program provides our students with a range of opportunities to engage with the capabilities outlined in the Australian Curriculum. The study of English is central to the learning and

MATHEMATICS

MATHEMATICS 2

Preparatory Course for Mathematical Methods and prerequisite course for Specialist Mathematics.

COURSE OVERVIEW

The intent of Mathematics 2 is to encourage students to develop a positive attitude to the more abstract components of mathematics. Emphasis is placed on problem solving and modelling and use of technologies and software to enhance inquiry and learning.

Students wishing to study Mathematical Methods or Mathematical Methods and Specialist Mathematics in Years 11 and 12 must select this subject and will need to demonstrate an achievement level of a B by the end of Year 10. It is recommended that students who do not reach this prerequisite grade in Mathematics 2 should study General Mathematics in Years 11 and 12.

TOPICS OF STUDY

- Algebra 1: Linear relations
- Bivariate data: Scatterplots
- Algebra 2: Surds and factorising quadratics
- Algebra 3: Solving quadratic equations
- Algebra 4: Graphs of quadratic relations
- Congruence, similarity and trigonometry
- Algebra 5: Index laws and exponential relations
- Measurement

LEARNING EXPERIENCES

- Development and refinement of concepts and skills essential for Mathematical Methods at senior level
- Use of a variety of technologies as tools for supporting learning and inquiry with special emphasis on the Ti-84 Plus graphics calculator, EXCEL and GeoGebra
- Challenging and engaging experiences which promote inquiry and the development of strategic thinking skills required for problem solving in the real world

ASSESSMENT

Multiple opportunities will exist for the demonstration of learning outcomes with an emphasis on the development and refinement of concepts essential for Mathematical Methods and Specialist Mathematics at V H Q L R U O H Y H O 7 K H D V V H V V P H Q W V \ V W H P D W 6 W 0 D W K H P D W L F V through a system of second chance testing. In Year 10 the specific focus is on introducing students to the style of assessment in senior.

- Mastery learning quizzes
- End semester tests
- Problem-solving and Modelling tasks [PSMT]

ENGLISH EXTENSION

COURSE OVERVIEW

English Extension is offered on an invitationally basis for students in Year 10. The course is designed for students who excel in English and have a passion for literature, literary analysis and imaginative writing. The subject offers opportunities for increased challenge and builds upon the skills and learning students have already engaged with in English. Furthermore, students are provided with a range of opportunities to enjoy language and be empowered as functional, purposeful, creative and critical language users who

ECONOMICS AND ENTREPRENEURIAL STUDIES

COURSE OVERVIEW

Economics and Entrepreneurial Studies introduces students to basic accounting principles and the role of economics, both within Australia and globally, as well as providing students with the real-life experience of conducting a small business. Students learn about the role of budgeting within a household and acquire techniques that can be used to manage personal finances sustainably. Additionally, the course explores $XVWUDOLD·V SODFH LQ WKH JORERO FRPPXQLWW&RXUVH DOVR LG HUL enables the opportunity for students to explore the dynamic role that entrepreneurship plays in our local, national and international community as an agent of creative destruction.

This subject will particularly appeal to students with an interest in Economics, Accounting or business ownership. It will provide students with a broad range of academic and thinking skills that will apply to a variety of disciplines.

TOPICS OF STUDY

- Growing a business idea² ownership structures and problem identification
- Entrepreneurship² cultivating, financing, marketing and growing a business idea
- Personal finance with an emphasis on borrowing and investing
- Basic principles of economics² scarcity, demand and supply and core economic models
- Macroeconomics² LQWUR GXFWRU\ FRQFHSWV DQG WKH JRYHUQPHQW
- An introduction to accounting and financial statement analysis
- The global village² WUDGH DQG $XVWUDOLD·V SODFH LQ WKH JORERO

LEARNING EXPERIENCES

- Debating the extent to which the government can effectively manage the Australian macroeconomy

DIGITAL TECHNOLOGIES

COURSE OVERVIEW

Digital Technologies enrich and impact on the lives of people and societies globally. Australia needs enterprising individuals who can make discerning decisions about the development and use of technologies and who can independently and collaboratively develop solutions to complex challenges and contribute to sustainable patterns of living. Technologies can play an important role in transforming, restoring and sustaining societies and natural, managed, and constructed environments.

The practical nature of Digital Technologies engages students in critical and creative thinking, including understanding interrelationships in systems when solving complex problems. A systematic approach to experimentation, problem-solving, prototyping and evaluation instils in students the value of planning and reviewing processes to realise ideas

Learning in Digital Technologies focuses on further developing understanding and skills in computational thinking such as precisely and accurately describing problems and the use of modular approaches to solutions.

TOPICS OF STUDY

In Year 10 the Topics of Study include:

- Robotics programming
- Video editing
- Game programming
- Web site development
- Graphic Design
- Digital Systems

LEARNING EXPERIENCES

Students will undertake tasks to enable them to:

- Design, create and maintain web sites
- Design and program interactive games
- Build and program robots
- Investigate and evaluate digital systems
- Create and manipulate graphics and videos

ASSESSMENT

Assessment in this subject is based on folio completion and project work and includes the following criteria: Collecting, managing and analysing data; Defining, designing, implementing and evaluating; Collaborating and managing

FOOD AND DESIGN

COURSE OVERVIEW

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- Use commercial patterns and comprehend dimensional aspects relating to garment components, accessories, and body sh3(nd lnd)-41(,) ET Q q 0.000008871 0 595.32 841.92 re W* n BT /F7 11.04

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CHINESE (MANDARIN)

COURSE OVERVIEW

Having the skill to communicate in the most spoken language in the world is vital in today's society. It is predicted that in the foreseeable future – perhaps this decade – China will have the largest economy in the world. This course will help students to work towards becoming a highly skilled young woman with a competitive edge in the job market.

Through the application of increased vocabulary and grammar recognition, students will be able to discuss topics in depth and to create extended written texts. The use of blended learning technologies will give students more autonomy over their learning and the ability work at a pace compatible with their skills and needs. By the end of this course students will be able to communicate ideas and opinions related to their immediate world and the wider community. This course is recommended for students who enjoy a challenge and love to achieve while having fun at the same time.

Only students who have studied Chinese in Year 9 should consider undertaking this course. If you are considering studying Chinese in Years 11 and 12 you must complete the Year 9/10 course.

TOPICS OF STUDY

Unit Health , Topic 1 - Seeing a doctor – you will learn how to describe your symptoms and discuss the pros and cons of visiting a traditional Chinese medicine doctor or Western medicine doctor.

Topic 2 – Healthy lifestyle (nutrition, sleep and exercise) – What does the healthy diet pyramid recommend? What does the Chinese Youth Health Guidelines say? And how do these recommendations compare with ours? You will learn how to talk like an expert to give an evidence-based opinion regarding how to lead a healthy lifestyle.

Unit Comparison Topic 1 – changes –

LEGAL STUDIES

COURSE OVERVIEW

Legal Studies is centred on the interaction between the discipline of law and society. This subject considers the legal system that regulates activities and aims to protect the rights of all individuals and balances these with obligations and responsibilities. An understanding of legal processes and concepts enables citizens to be informed and better able to constructively question and contribute to the improvement of laws and legal processes. Knowledge of the law enables students to have confidence in approaching and accessing the legal system and provides them with an appreciation of the influences that shape the system. It empowers students to make constructive judgments and knowledgeable commentaries on the law and its processes IURP FULWLFDO SHUVSHFWLYHV 7KH VXEMHFW VDWLVILHV LQW discuss tensions between changing social values, justice and equitable outcomes.

TOPICS OF STUDY

- Law: What is it good for? An introduction to the legal system
- Police to Punishment: The criminal investigation 358T1 0 ET Q q 0 0 0 08871 056(t)-3(h)7( )58(k8(ppr)5((a)395.32 841.92 re W* n BT /F7 11.04 Tf 1

MATHS EXTENSION

Mathematics extension is a course designed to stimulate interest in sources of Mathematics in the real world. In Semester Two there will be a focus on collecting real life data using temperature probes and other data collecting devices. Z K L F K F D Q E H O L Q N H G W R W K H V W X G H Q W V · J U D data with appropriate mathematical functions.

COURSE OVERVIEW

The 10.2 course covers some of the topics from the 10A curriculum, the Mathematics Extension course coversother topics from this curriculum as well as extends some of the topics covered in the 10.2 course. The aim of the course is to stimulate interest is higher level mathematics.

TOPICS OF STUDY

- Geometry
- Surds
- Statistics
- Modelling Real Data with Mathematical Relations
- Probability
- Complex Algebraic Skills

LEARNING EXPERIENCES

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- Use of a variety of technologies as tools for supporting learning and inquiry with special emphasis on the Ti-84 Plus graphics c07R T5(ic)556>6<00038.84(g)3(r)5P0038.84(g)3(r)5P0038.84(g)3(r)5P0038.84(

MUSIC

COURSE OVERVIEW

Students live in a world in which music has an important and persuasive presence. Whether actively engaged in music by listening, performing or composing, or incidentally encountering music, students have an individual experience and this course builds on this. Music contributes to the holistic development of the individual through aspects such as memory, co-ordination, concentration and creativity. Students studying Music are empowered by the medium of music to gain insight into their ever-changing world, to develop self-discipline and to deepen their aesthetic awareness. Central to the Year 10 Music course are the three interacting dimensions of musicology, composing and performing. These concepts build on work covered in the Year 9 course.

TOPICS OF STUDY

YEAR 10

Innovators

¶ Q Q R Y D W ? R L V Focus on the music of the most significant contemporary composers and those from other classical music eras. Through the exploration of influential vocal and instrumental works, students will learn to compose and perform music that develops their own personal strengths and style.

Music of the Stage and Screen

This unit further develops the topics introduced in Year 9 Semester 2, and applies them to film music, musical theatre, opera, ballet and animated films. Students will use technology to create their own animated or live action film soundtracks and will explore the creative and production process of some of the greatest theatrical works throughout time.

LEARNING EXPERIENCES

- Listening, analysing, researching and discussing a variety of music including popular music and musicians
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Year

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