2023 YEAR 9 CURRICULUM GUIDE

KEEBRA PARK STATE HIGH SCHOOL











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General Information

This handbook offers information to assist Keebra Park State High School students make informed decisions about their subject selections for Year 9.

Year 9 is a period of increasing independence for students as they strive to develop an identity for themselves and make responsible educational choices that will assist them in making decisions for their future senior pathway. Students learn best when they are given varied, rich, and challenging learning experiences and opportunities that align with their abilities and interests.

Students are encouraged to use the advice and guidance received from discussions with parents and carers, teachers and Heads of Departments when making informed decisions about elective subjects.

Year 9 students will study five (5) core subjects and select two (2) elective subjects. Each core and elective subject is studied for a full semester.

- Core subjects: English, Maths, History, Geography, Science and Health and Physical Education (HPE)
- **Elective (select two):** Business, Materials and Technologies, Engineering Principles, Digital Solutions, Robotics and Programming, Food Technologies, Visual Arts, Media Arts, Dance, Drama and Music.

Some of the most important school decisions concern the subject choices you select in Year 9 and 10, and later in Year 11 and 12 as these decisions may affect the career path you follow when you leave school.

What will students choose?

To guide you through the selection process, it is suggested that you read and examine each of the subject overviews in this handbook and choose subjects that:

- you are interested in and enjoy
- you feel you can be successful in
- will help you reach your chosen career path
- will develop new skills and knowledge useful in later life

It is also important to remember that the subjects you select are unique to you and may be quite different from your peers. This means it is important to select the subjects of your choice and avoid selecting a subject because:

- a friend wants you to take the same subjects
- · you do not like the subject teacher
- someone said "only the girls take this subject"

If you have any questions, please feel free to contact the relevant Head of Department of individual subjects. If you are enrolled in an excellence program in Year 8 you will continue with your program next year. If you would like to apply for an excellence program you can see the relevant curriculum Head of Department and collect an application form from the office. For more information regarding our excellence programs, please refer to the links on the previous page

The best general advice about subject selections is to choose widely and come to understand the subjects you enjoy and in which you achieve well.



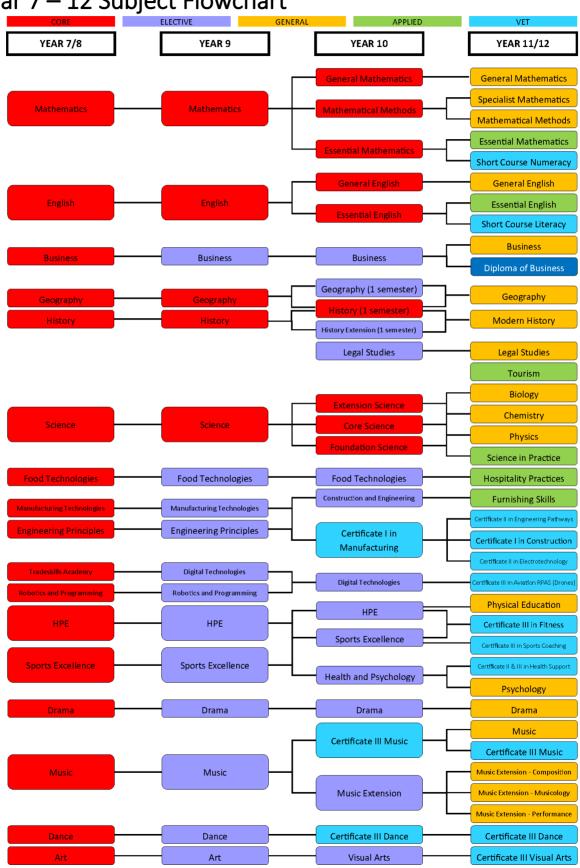




KEEBRA PARK STATE HIGH SCHOOL



Year 7 – 12 Subject Flowchart











Core Subjects

English

Department: English

Core

COURSE DESCRIPTION

By the end of Year 9 English, students analyse the ways that text structures can be manipulated for effect. They analyse and explain how images, vocabulary choices and language features distinguish the work of individual authors. They evaluate and integrate ideas and information from texts to form their own interpretations. They select evidence from texts to analyse and explain how language choices and conventions are used to influence an audience. They listen for ways texts position an audience.

Students understand how to use a variety of language features to create different levels of meaning. They understand how interpretations can vary by comparing their responses to texts to the responses of others. In creating texts, students demonstrate how manipulating language features and images can create innovative texts.

Students create texts that respond to issues, interpreting and integrating ideas from other texts. They make presentations and contribute actively to class and group discussions, comparing and evaluating responses to ideas and issues. They edit for effect, selecting vocabulary and grammar that contribute to the precision and persuasiveness of texts and using accurate spelling and punctuation.

COURSE OUTLINE	ASSESSMENT
 Topics may include:- Indigenous poetry and texts Novel and Character studies Film and Documentary studies Narrative genres 	A variety of assessment techniques will be used including: Imaginative written Persuasive spoken Writing for a public audience Analytical written esay
ESSENTIAL RESOURCES/POSSIBLE EXCURSIONS USB BYOD personal device	SUBJECT LEADS TO: • General English • Essential English









Mathematics

Department: Mathematics

Core

COURSE DESCRIPTION

Mathematics aims to instil in students an appreciation of the elegance and power of mathematical reasoning. Mathematical ideas have evolved across all cultures over thousands of years, and are constantly developing. Digital technologies are facilitating this expansion of ideas and providing access to new tools for continuing mathematical exploration and invention.

Mathematics aims to ensure that students:

- are confident, creative users and communicators of mathematics, able to investigate, represent and interpret situations in their personal and work lives and as active citizens;
- develop an increasingly sophisticated understanding of mathematical concepts and fluency with processes, and are able to pose and solve problems and reason in Number and Algebra, Measurement and Geometry, and Statistics and Probability;
- recognise connections between the areas of mathematics and other disciplines and appreciate mathematics as an accessible and enjoyable discipline to study.

COURSE OUTLINE	ASSESSMENT
Topics may include:- Number Algebra Measurement Probability Graphing Statistics	A variety of assessment techniques will be used including: • Exams • Problem solving tasks
ESSENTIAL RESOURCES	SUBJECT LEADS TO:
 Scientific calculator (CASIO fx-82AU PLUS II) Exercise book HB pencil, pens BYOD personal device 	 Essential Mathematics General Mathematics Mathematical methods Specialist Methods









Science

Department: Science

Core

COURSE DESCRIPTION

Students explain chemical processes and natural radioactivity in terms of atoms and energy transfers and describe examples of important chemical reactions. They describe models of energy transfer and apply these to explain phenomena. They explain global features and events in terms of geological processes and timescales. They analyse how biological systems function, respond to external changes with reference to interdependencies, energy transfers, and flows of matter. They describe social and technological factors that have influenced scientific developments and predict how future applications of science and technology may affect people's lives.

Students design questions that can be investigated using a range of inquiry skills. They design methods that include the control and accurate measurement of variables and systematic collection of data and describe how they considered ethics and safety. They analyse trends in data, identify relationships between variables and reveal inconsistencies in results. They analyse their methods and the quality of their data, and explain specific actions to improve the quality of their evidence. They evaluate others' methods and explanations from a scientific perspective and use appropriate language and representations when communicating their findings and ideas to specific audiences.

COURSE OUTLINE	ASSESSMENT
 Topics may include: Physics – Heat energy and making waves Chemistry – Elements and compounds Biology – my life in balance; responding to change and ecosystems Earth Science – changing earth 	A variety of assessment techniques will be used including:- • Student experiments • Research tasks • Supervised assessment
ESSENTIAL RESOURCES/POSSIBLE EXCURSIONS • Science World 9 textbook • BYOD personal device • Scientific calculator	SUBJECT LEADS TO: Physics General Chemistry General Biology General Science in Practice Applied









History and Geography

Department: Humanities

Core

COURSE DESCRIPTION

Students undertake a semester of History and another of Geography in Year 9. This allows them the opportunity to engage in disciplines that are extremely relevant to the world we live in. It encourages 21st century thinking about global citizenship, understanding perspective and lessons to be learnt from the past. History and Geography assist students to develop skills that are invaluable, both whilst at school, in further education and in the work force. These subjects are about opening students' eyes to the complexity and diversity that our lives inevitably embrace in modern times. The Australian Curriculum prescribes the topics covered – see below.

COURSE OUTLINE	ASSESSMENT
History Industrial Revolution Making a nation WWI Geography	 Short response exams Extended response exams Research assignments
Biomes and food securityInterconnectedness	
ESSENTIAL RESOURCES/POSSIBLE EXCURSIONS	SUBJECT LEADS TO
 Exercise book, ruler, highlighters, pens, pencils etc Possible excursion – Queensland Museum in 	Modern HistoryGeography
Brisbane (cost of train trip) BYOD personal device	









Health and Physical Education

Department: HPE

Core

COURSE DESCRIPTION

The Year 9 and 10 curriculum supports students to refine and apply strategies for maintaining a positive outlook and evaluating behavioural expectations in different leisure, social, movement and online situations. Students learn to critically analyse and apply health and physical activity information to devise and implement personalised plans for maintaining healthy and active habits. They also experience different roles that contribute to successful participation in physical activity, and propose strategies to support the development of preventive health practices that build and optimise community health and wellbeing.

COURSE OUTLINE	ASSESSMENT
 alcohol and other drugs (AD) food and nutrition (FN) health benefits of physical activity (HBPA) mental health and wellbeing (MH) relationships and sexuality (RS) safety (S) challenge and adventure activities (CA) games and sports (GS) lifelong physical activities (LLPA) rhythmic and expressive movement activities (RE). 	A variety of assessment techniques will be used including: Exam Multimodal presentation Action research report
ESSENTIAL RESOURCES/POSSIBLE EXCURSIONS: • Sports uniform • Stationery	 SUBJECT LEADS TO Physical Education Health and Psychology Certificate III in Sports Coaching (Sport Academy students only)









Elective Subjects

Business

Department: Humanities Elective

COURSE DESCRIPTION

This subject is designed to provide students with a practical introduction to and an awareness of Semester long activities. Students will develop skills and acquire knowledge, which may enable them to become confident and competent participants in the business community. The course also introduces students to financial literacy and teaches the necessary skills, values and behaviours to be responsible consumers in society.

As all fields of employment involve at least some contact with aspects of business, studying this subject will enable students to make informed decisions and work effectively in a variety of career paths.

COURSE OUTLINE	ASSESSMENT
Topics may include:	A variety of assessment techniques will be used including: • Short response • Extended response • Assignment
ESSENTIAL RESOURCES/POSSIBLE EXCURSIONS	SUBJECT LEADS TO • Business
 Class resources – exercise book, ruler, highlighters, pens, pencils etc 	Diploma in Business
 Possible visits to local businesses 	
 Possible meetings with business mentors 	
BYOD personal device	









Materials and Technologies

Department: Technologies

Elective

COURSE DESCRIPTION

Materials and Technologies is a practical subject with a hands on approach which aims to increase students' knowledge and develop confidence when working with technologies. This will be achieved by allowing students to make informed decisions in the selection of tools, machines, hardware and materials to create a solution to real-life problems. Students will engage in the design process to give structure to the "Investigate, design and make journey "that under pins this subject.

COURSE OUTLINE	ASSESSMENT
 Topics may include:- Workshop, Tool and Machine Hardware justification/selection Material and tool justification/selection Jointing methods and techniques 	 A variety of assessment techniques will be used including:- Practical Project Design Portfolio
 ESSENTIAL RESOURCES 2H pencil Eraser Pencil sharpener Note pad 	SUBJECT LEADS TO: Senior Subjects Design General Digital Solutions Engineering Studies Industrial Graphics Furnishing Information Communication Technology Certificate II Engineering Pathways Certificate I Construction VET
	 Certificate III Aviation (Drones)









Engineering Principles

Department: Technologies

Elective

COURSE DESCRIPTION

In Year 9 Engineering Principles students use design and technologies knowledge and understanding, processes and production skills and design thinking to produce two products - a model solar powered vehicle and a model airdrop container. Students work independently and collaboratively. They specifically focus on preferred futures, taking into account ethics; social values; economic, environmental and sustainability factors. Students develop their creativity, innovation and enterprise skills.

Using a range of technologies including graphical representation techniques to communicate, students generate and represent original ideas and production plans in the form of a design folio. Upon completion of their design folio, students use a range of materials and hand and machine tools to safely make their product in our workshop. Finally students field test their product.

COURSE OUTLINE ASSESSMENT A variety of assessment techniques will be used including:-Topics may include:the design process materials properties **Semester One** laws of motion Design folio (solar powered vehicle) sustainable forms of energy Short response test biomimicry, structures Workshop production and pace propulsion systems workshop safety **Semester Two** use of hand and machine tools Design folio (airdrop container) Short response test Workshop production and test **ESSENTIAL RESOURCES/POSSIBLE SUBJECT LEADS TO: EXCURSIONS** General Design **Digital Solutions** General 4GB USB **Engineering Studies** General A4 sketch pad **Industrial Graphics Applied** 2B and HB pencil **Furnishing Applied** Black felt tip pen Information Communication Technology Applied Certificate II Engineering Pathways VET Certificate I Construction **VET** Certificate III Aviation (Drones) **VET**







Digital Solutions

Department: Technologies

Elective

COURSE DESCRIPTION

In Digital Solutions students will use a hands on approach to explore and develop ideas, generate digital solutions, and evaluate impacts, components and solutions. Students will be given opportunities to generate solutions that are relevant in real life. Processes include but are not limited to; Unity, 3D modelling, coding, virtual reality, augmented reality, SQL and product development.

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COURSE OUTLINE	ASSESSME	INT
Topics may include:-	A variety of assessment techniques	will be used including:-
Gaming	Short answer exam	
Augmented reality	Digital folio	
Virual reality	Response to stimulus	
• SQL	Multimodal response	
ESSENTIAL RESOURCES/POSSIBLE	SUBJECT LEAI	DS TO:
EXCURSIONS:	Senior Subjects	
• 16GB USB	• Design	General
A4 sketch pad	 Digital Solutions 	General
2B and HB pencil	 Engineering Studies 	General
Black felt tip pen	 Industrial Graphics 	Applied
Digital exhibition excursions as they appear	Furnishing	Applied
per calendar year	 Information Communicatio 	n Technology Applied
Gold Coast 600	Certificate II Engineering Page	athways VET
BYOD personal device	Certificate I Construction	VET
	Certificate III Aviation (Droi	nes) VET









Robotics and Programming

Department: Technologies

Elective

COURSE DESCRIPTION:

Robotics and Programming is a hands on approach to fulfil design requirements and criteria's within society. Students are given real-life problems to create solutions through a variety of hands on practical process. Processes are not limited to; robotics, sketching techniques, coding, Unity, 3D modelling, prototyping.

COURSE OUTLINE	ASSESSMENT	
Topics may include:- Design Built environment Virtual reality Robotics Coding Augmented reality	A variety of assessment techniques will be used including Short answer exam Design folio Response to stimulus Prototyping	ŗ-
ESSENTIAL RESOURCES/POSSIBLE EXCURSIONS:	SUBJECT LEADS TO: Senior Subjects	
 16GB USB A4 sketch pad 2B and HB pencil Black felt tip pen Design exhibition excursions as they appear per calendar year Gold Coast 600 	 Design General Digital Solutions General Engineering Studies General Industrial Graphics Applied Furnishing Applied Information Communication Technology Applie Certificate II Engineering Pathways VET Certificate I Construction VET Certificate III Aviation (Drones) VET 	:d









Food Technologies

Department: Technologies

Elective

COURSE DESCRIPTION:

In Food Technology students are given the opportunity to learn about where their food comes from, how it is produced and how they can prepare it. They will make decisions about selecting ingredients and designing menus for a variety of situations. There will be a focus on equipping students with the skills to plan, prepare and produce food that is healthy and nutritious and appealing for themselves, friends and family while incorporating the Design Process. The major focus of classes is on developing students' practical skills and learning new techniques.

Students will be given the opportunity to acquire a wide range of knowledge and skills within a diverse range of elective topics. Elective unit topics include food, health and nutrition, hygiene, safety and developing skills and techniques in food preparation using appropriate equipment.

COURSE OUTLINE

Topics may include:-	
 Food hygiene and safety 	A variety of assessment techniques will be used including:-
 Food selection 	including
 Food preparation methods and techniques 	Process journal
Food for health	Written project
 Sustainability 	Practical tasks
 Introduction to textiles * 	

ESSENTIAL RESOURCES/POSSIBLE EXCURSIONS:

 Ingredients and course supplies will be provided each week as part of the Resource Levy.

SUBJECT LEADS TO:

ASSESSMENT

- Year 10 Food and Textiles Technology
- Year 11-12 Hospitality Practices (Applied)
- Year 11-12 Early Childhood Studies (Applied)







^{*}Textiles electives may be included if timetable allows.



Visual Arts

Department: The Arts Elective

COURSE DESCRIPTION

Visual Art uses a variety of design techniques to explore the elements and principles of Art to create drawings, paintings and sculptures. Students create visual art works that communicate, challenge and express their own and others' ideas. They develop critical reasoning and practical skills through exploring and expanding their understanding of their world. Furthermore, students learn about the role of the artist and his/ her contribution to society.

In Junior Visual Art, a range of activities will assist students in:

- acquiring skills appropriate to the making of artworks;
- developing creativity in processes; and
- developing an appreciation and understanding of the work of others.

COURSE OUTLINE	ASSESSMENT
Topics may include:-	A variety of assessment techniques will be used including: Folio and final portrait Responding essay Acrylic painting
ESSENTIAL RESOURCES/POSSIBLE EXCURSIONS: • Visual diary	SUBJECT LEADS TO: • Cert III in Visual Arts









Media Arts

Department: The Arts Elective

COURSE DESCRIPTION

Media Arts builds on each student's prior learning and experiences. Students learn in and through developing understanding and application of the Media Arts concepts: media technologies, representation, audience, institutions, media languages and relationships. They use production processes in purposeful and creative ways and continue to develop their connection with and contribution to the world as artists and as audiences.

In Junior Media Arts, a range of activities will assist students in:

- Explore and respond to media arts works, practices and contexts from across cultures, times, places and/or other contexts
- develop practices and skills across the three phases of production: pre-production, production, postproduction
- create media works in forms such as print, audio, and moving image using production processes

COURSE OUTLINE	ASSESSMENT
 Topics may include:- Short film/ photography Conceptualising – Youth audience Podcast, sound editing Advertising, poster-making 	A variety of assessment techniques will be used including: • Film trailer – storyboard, shooting, editing • Responding essay • Folio - storyboard, concept statement
ESSENTIAL RESOURCES/POSSIBLE EXCURSIONS: • Film academy workshop	SUBJECT LEADS TO: Cert III in Visual Arts Drama









Dance

Department: The Arts Elective

COURSE DESCRIPTION

Dance is expressive movement with purpose and form. Through Dance, students express, question and celebrate human experience, using the body as the instrument and movement as the medium for personal, social, emotional, spiritual and physical communication.

Like all art forms, dance has the capacity to engage, inspire and enrich all students, exciting the imagination and encouraging students to reach their creative and expressive potential.

COURSE OUTLINE	ASSESSMENT
Topics may include:- Popular dance Hip hop Social dance World dance	A variety of assessment techniques will be used including: Performance Responding to dance – essay Choreography
ESSENTIAL RESOURCES/POSSIBLE EXCURSIONS • Dance workshop	SUBJECT LEADS TO: • Cert III in Dance









Drama

Department: The Arts Elective

COURSE DESCRIPTION

Drama aims to develop students' confidence and self-esteem to explore, depict and celebrate human experience, take risks and challenge their own creativity.

Drama is the expression and exploration of personal, cultural and social worlds through role and situation that engages, entertains and challenges. Students create meaning as drama makers, performers and audiences as they enjoy and analyse their own and others' stories and points of view.

Like all art forms, drama has the capacity to engage, inspire and enrich all students, excite the imagination and encourage students to reach their creative and expressive potential.

COURSE OUTLINE	ASSESSMENT
Topics may include:- Realism Children's Theatre Commedia Del Arte Acting for Film Live Performance	A variety of assessment techniques will be used including:-
ESSENTIAL RESOURCES/POSSIBLE EXCURSIONS Pens, pencil, highlighters Exercise book/journal Theatre performance excursion	SUBJECT LEADS TO: • General Drama









Music

Department: The Arts Elective

COURSE DESCRIPTION

Music learning combines listening, performing and composing activities. These activities, developed sequentially, enhance students' capacity to perceive and understand music.

As students progress in their study of Music, they learn to value and appreciate the power of music to transform the heart, soul, mind and spirit of the individual. In this way students develop an aesthetic appreciation and enjoyment of music.

COURSE OUTLINE	ASSESSMENT
 Topics may include:- Music for Film Gaming Music Popular Music World Music 	A variety of assessment techniques will be used including:- • Performance • Analytical essay • Composition • Musicology exam
ESSENTIAL RESOURCES/POSSIBLE	SUBJECT LEADS TO:
EXCURSIONS	Cert III in Music
Student workbook	General Music
BYOD personal device	Music Extension



