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KATANNING
SENIOR HIGH SCHOOL

2018

**YEAR 10
HANDBOOK**

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INTRODUCTION

Dear Parents and Guardians

The time has come for you to make some important decisions with your child. Courses selected for Years 9 and 10 provide the foundation for future pathways in Senior School and provide your child with an opportunity to discover areas of interest as well as developing new skills which may lead on to a career pathway.

In Year 8 your child completed a set curriculum which prepared them for choices in Years 9 and 10. At Katanning Senior High School we endeavour to provide a variety of courses which enable students to explore trade related courses, office oriented studies, specific specialised sports skills as well as the visual arts. These courses lead into specific Certificate I and II courses in Senior School in Information Technology, Business, Arts, Automotive, Engineering and Sports and Recreation.

Your child should select courses that relate well to their interests, capabilities and future work goals as preparation for a career direction in Years 11 and 12. At Katanning Senior High School we provide a comprehensive curriculum which gives your child the opportunity to achieve at a high standard whilst completing a balanced education that meets their individual needs and interests. It is important that you discuss these choices with your child using this booklet to consider opportunities which relate to their interests.

Assistance is available to you and your child from the Middle School Program Coordinator and Senior School Program Coordinator. Other staff such as the Heads of Learning Area and course teachers can supply you with additional information specific to each course.

The time you spend with your child now in exploring their options at Katanning Senior High School will be of great benefit for them in the future as they progress to Senior School pathways.

WESTERN AUSTRALIAN CURRICULUM

The Western Australian Curriculum sets out the core knowledge, understanding, skills and general capabilities important for all Australian students. It describes the learning entitlement of students as a foundation for their future learning, growth and active participation in the Australian community. It makes clear what all young Australians should learn and is the foundation for high quality teaching to meet students' needs.

The Western Australian Curriculum includes seven general capabilities:

- Literacy
- Numeracy
- Information and Communication Technology (ICT)
- Critical and creative thinking
- Personal and social capability
- Ethical behaviour
- Intercultural understanding.

The general capabilities encompass the knowledge, skills, behaviours and dispositions that, together with the curriculum content in each learning area and school priorities, will assist students to live and work successfully in the twenty-first century.



The Learning Areas are:

English
Mathematics
Science
Humanities and Social Sciences

Health and Physical Education
Technology and Enterprise
The Arts
Languages

STRUCTURE OF YEAR 10 SUBJECTS FOR 2018

The Learning Areas of English, Mathematics, Science, Humanities and Social Sciences are compulsory. The Learning Area of Health and Physical Education contains some compulsory elements.

The Learning Areas of The Arts and Technology and Enterprise are elective subjects. Health and Physical Education also contains some elective subjects.

CHOOSING SUBJECTS

It is essential that each student, in consultation with parents and teachers, ranks preferred subjects for the year. These choices will then be processed by the school, with final placement depending on resources available.

In particular a student should consider the following:

1. **FUTURE DIRECTIONS:** It is important to take into account any future plans or ambitions of students. If a student aspires to a particular career, it is important to find out if any specific subjects are needed to be eligible for that career. If the student wants to enrol in certain pathway and courses in Senior School, then it is important that any prerequisites are studied in Years 9 and 10.
2. **INTERESTS:** It is good sense for students to choose subjects that will be of interest to them. Students are discouraged from changing subjects after they have started, as even missing one or two weeks will make it difficult for students to catch up in new subjects. Success in a subject is more likely if it is of interest to the student, so careful selection is necessary.

COUNSELLING

Initial selection should be made only after reading this handbook, considering information given by staff about the subjects, discussion between student and parent, and seeking further advice if necessary. Some reselection may be necessary if classes do not run due to timetable or staffing constraints.

COMPULSORY SUBJECTS

LEARNING AREA
English
Mathematics
Humanities and Social Sciences
Health and Physical Education
Science

Period lengths are 55 minutes on Monday and 64 minutes Tuesday to Friday.

ELECTIVE SUBJECTS

Students are able to choose 2 subjects to study for 2 periods each semester. Every effort will be made to enable students to study their top preference. If this is not possible students will be given their next preference.

IMPORTANT DATES 2017

Subject Selection Forms Due	Friday 28 July 2017
A timetable will be developed using student choices made on the SUBJECT SELECTION SHEET. If students do not gain their first preferences they will be placed in their second preference.	
Student Charges and Contributions and Personal Items lists posted to parents.	Monday 4 December 2017

LEARNING AREA SUBJECT DESCRIPTIONS

ENGLISH

COURSE:	ENGLISH
CODE:	10ENG
STUDY TYPE:	Compulsory
DURATION:	Whole School Year
PREREQUISITES:	Nil

DESCRIPTION: The Year 10 English subjects reflect the principles and outcomes of the Western Australian Curriculum. The emphasis of this subject is on the skills and processes that provide students with the basis for life long learning.

Students will undertake common curriculum where they will learn about the English language and how to use it effectively.

Students will be assessed using A to E grades.

Students will demonstrate their understanding of concepts and the conventions of texts studied through analysing set texts and producing texts of their own, appropriate for audience, purpose and context. They will complete a number of tasks which assess the following outcomes:

- Reading and Viewing
- Writing
- Speaking and Listening



MATHEMATICS

COURSE:	MATHEMATICS
CODE:	10MAT
STUDY TYPE:	Compulsory
DURATION:	Whole School Year
PREREQUISITES:	Nil

DESCRIPTION: Mathematics at Katanning Senior High School covers the three content strands set by the Western Australian Curriculum: Number and Algebra, Measurement and Geometry, and Statistics and Probability.

In exploring these strands, students are encouraged to display their ability in the four proficiency strands: Understanding, Fluency, Problem Solving and Reasoning. To achieve our goal of making every student a successful learner, we will explore the language students need to further their mathematical understanding and reasoning capabilities. As they progress through the years, students should increasingly be able to see the links between mathematics in the classroom and in the real world.

In Year 10, students are expected to cover the following topics:

Number and Algebra

Students expand their knowledge of financial mathematics to include the compound interest formula.

Algebraic techniques are developed to include factorisation, substitution and use of the four operations on algebraic expressions.

The Cartesian plane is used to explore linear relationships, equations and inequalities as well as to solve simple quadratic equations using a range of strategies.

Measurement and Geometry

Students will explore surface area and volume for a range of prisms and composite solids. They will be expected to use geometric reasoning with regards to congruency and similarity of plane shapes.

Pythagoras' Theorem and Trigonometry will be explored in right angle triangles, developing the real world context involving angles of depression, and elevation.

Statistics and Probability

Students will explore chance experiments with two and three situations assigning probabilities and exploring the language of chance and conditional statements.

Statistical analysis expands to include interquartile range, a variety of graphs and the comparative analysis of data sets.

It is acknowledged that students face a significant challenge when facing the rigors of the Australian Curriculum. The Mathematics Department promotes student development through the use of online technologies such as Mathletics and a homework schedule that can be tailored to student needs.

To allow the best chance for success we encourage students to bring common mathematical aids, including a scientific calculator, ruler and drawing implements, to every class, attending regularly and utilising our homework classes for additional assistance as required.

Year 10 students may also be tested through the Online Literacy and Numeracy Assessment tool (OLNA). This seeks to ensure that students develop a minimum level of functional numeracy as they progress to Senior School and future employment.

Students may be encouraged to complete a modified program that develops their skills to allow success in Senior School.

HUMANITIES AND SOCIAL SCIENCES (HASS)

COURSE:	HUMANITIES AND SOCIAL SCIENCES
CODE:	10HASS
STUDY TYPE:	Compulsory
DURATION:	Whole School Year
PREREQUISITES:	Nil

DESCRIPTION: Students in the Humanities and Social Sciences (HASS) Learning Area will undertake a range of topics drawn from Civics and Citizenship, Economics and Business, Geography and History. This will provide students with the opportunity to gain a wide range of knowledge and develop their skills in a way that will support their learning.

The focus of the Civics and Citizenship component of the Year 10 course is justice at home and overseas which will compare features of Australia's system of justice to those of other jurisdictions as well as examining Australia's international obligations.



Economics and Business will focus on economic performance and its links to living standards in Australia. In Geography, students will study environmental change and human well-being while the History component will focus on the Modern World and Australia.

Incorporated into the Year 10 HASS course is a program of career education that features the development of personal pathways. A function of this is to provide students the opportunity to develop knowledge of career pathways and their own personal strengths.

HEALTH AND PHYSICAL EDUCATION

COURSE:	HEALTH AND PHYSICAL EDUCATION
CODE:	10HPE
STUDY TYPE:	Compulsory
DURATION:	Whole School Year
PREREQUISITES:	Nil

DESCRIPTION: In Year 10, the content provides students with the opportunity to begin to focus on issues that affect the wider community. They study external influences on health decisions and evaluate their impact on personal identity and the health of the broader community. Students continue to develop and refine communication techniques to enhance interactions with others, and apply analytical skills to scrutinise health messages in a range of contexts.

In continuing to improve performance, students transfer learned specialised movement skills with increasing proficiency and success across a variety of contexts.



They use feedback to improve their own and others performance with greater consistency, and critically evaluate movement responses based on the outcome of previous performances. Through the application of biomechanical principles to analyse movement, students broaden their understanding of optimal techniques necessary for enhanced athletic performance.

Students self-assess their own and others leadership styles and apply problem-solving approaches to motivate participation and contribute to effective team relationships. They are also provided with opportunities to assume direct control of physical activities in coaching, coordinating or officiating roles.

The Health and Physical Education curriculum provides opportunities for students to develop, enhance and exhibit attitudes and values that promote a healthy lifestyle

It is imperative for health and hygiene reasons that a change of clothes be worn for every physical education lesson.

The Year 10 program in Health and Physical Education Learning Area includes:

- **Physical Education:** Invasion/Evasion Games; Net/Wall Games; Striking/Fielding Games; Target & Recreation Games.
- **Health:** Being Healthy, Safe and Active; Communicating and Interacting for Health and Well Being; Contributing to Healthy and Active Communities

The Physical Education learning outcomes are:

- **Moving Our Body**
- **Understanding Movement**
- **Learning Through Movement**

The Health Education learning outcomes are:

- **Being Healthy, Safe and Active**
- **Communicating and Interacting for Health and Well Being**
- **Contributing to Healthy and Active Communities**

SCIENCE

COURSE:	SCIENCE
CODE:	10SCI
STUDY TYPE:	Compulsory
DURATION:	Whole School Year
PREREQUISITES:	Nil

DESCRIPTION: In the Science Learning Area students will undertake studies that will enable them to investigate, understand and communicate about the world around them.

The three strands of the curriculum are Science Understanding, Science Inquiry and Science as a Human Endeavour. The three strands of the Western Australian Curriculum are interrelated and the content taught in an integrated way.

Students will be involved in a number of hands on experiments and investigations that will give them the opportunity to explore the world in which they live.

Year 10 students will study the following:

Biological Sciences: DNA and Natural Selection	Earth and Space Sciences: The Universe and Global Systems
Chemical Sciences: Atomic Structure, Elements and Reaction Rate	Physical Sciences: Energy Conservation and the Laws of Physics

Through the use of digital technologies and traditional experimental processes, students will gain skills in hypothesising, planning, investigating, data collection and analysis, critical thinking, problem solving and communication.

These skills will enable them to develop their understanding of the world around them and the impacts that Science has had, and will continue to have on society into the future.

Students will have a number of opportunities to prove their progress in Science.



Class and homework, practical investigations, assignments and tests will be used to assess students' work.

ELECTIVE SUBJECT INFORMATION

THE ARTS

VISUAL ARTS

Through the study of a variety of subjects in this Learning Area, students will gain a greater understanding of the Arts in both an aesthetic sense and a practical sense.

Students will be encouraged to express themselves creatively and develop a critical appreciation of their own work and the work of others. The Visual Arts subjects in Year 10 are structured using the Western Australian Curriculum with a strong focus on the Arts of Asia and Indigenous Art styles across all cultures.

To help students to communicate their arts ideas, they will learn about arts techniques and processes as well as reflecting on artists and the arts in today's society.

The Senior School Visual Arts courses require an understanding of arts terminology and practices to achieve the best possible results. It is desirable therefore, to select Visual Arts courses in preceding years to ensure every opportunity of success in Senior School.



ARTS OUTCOMES

- Communicating Arts Ideas
- Skills Techniques and Processes
- Respond, Reflect and Evaluate
- Arts in Society

COURSE: VISUAL ARTS (CREATIVE)
CODE: 10VAR
STUDY TYPE: 2 periods per week
DURATION: Semester
PREREQUISITES: Nil
RELEVANT PATHWAY: Certificate I/II Visual Arts (Creative)

DESCRIPTION: This subject is designed to allow students to express their creative ideas through two and three dimensional media. The media may include ceramics, sculpture (paper mache, wire, cane and mixed media etc.), printmaking (lino, screen-printing and etching), and painting (acrylics, water colours and oils).



At least one major project will be set each term. An emphasis on exploration and annotation of ideas and various art movements, captured through the student's visual diary is also a key component of this subject.

COURSE: VISUAL ARTS (PHOTO IMAGING)
CODE: 10VAPI
STUDY TYPE: 2 periods per week
DURATION: Semester
PREREQUISITES: Nil
RELEVANT PATHWAY: Certificate I/II Visual Arts (Photo Imaging)

DESCRIPTION: This subject uses drawing and computer aided design to introduce and advance students in the field of Visual Arts Photo Imaging.

Tools and programs used throughout the year will include: Photography Photoshop (image manipulation and graphic design), perspective drawing (hand drawn), 3D modelling/computer aided design and the In Design program.

No previous knowledge of these areas is necessary, but a sound creative flair and high work ethic are required. This subject will be held in a computer environment and as such will not involve the use of paint, clay or similar 'wet' studio media.

SPECIALISED PHYSICAL EDUCATION

COURSE:	PERSONAL FITNESS
CODE:	10PF
STUDY TYPE:	2 periods per week
DURATION:	Semester
PREREQUISITES:	Nil
RELEVANT PATHWAY:	Certificate I/II Sport and Recreation – Physical Education Studies

DESCRIPTION: Personal Fitness has a strong focus on the independent development of students personal fitness. This includes fitness components such as cardiorespiratory, muscular and flexibility. Utilising the fitness centre available, students will undertake a challenging gym program designed to improve students overall health and wellbeing. Incorporated into the program will be sporting activities to expose students to the benefits of engaging in physical activity.

COURSE:	RECREATIONAL SPORT
CODE:	10RS
STUDY TYPE:	periods per week
DURATION:	1 Semester
PREREQUISITES:	Nil
RELEVANT PATHWAY:	Certificate I/II Sport and Recreation – Physical Education Studies

Recreational Sport has a strong focus on sport for enjoyment and participation. The program is designed to supplement students general Physical Education classes, aligning it's sporting contexts with those explored in the general course. Students will engage in invasion/evasion sports, net/wall sports, striking/fielding sports and target/recreation sports. This program allows for enrichment of skills and understanding of strategy, as it feeds from the development made in general Physical Education.



TECHNOLOGY AND ENTERPRISE

COURSE:	FURNITURE WOODWORK
CODE:	10DTW
STUDY TYPE:	2 periods per week
DURATION:	Semester
PREREQUISITES:	Nil
RELEVANT PATHWAY:	Certificate I/II Engineering

DESCRIPTION: Students will develop problem solving and woodworking skills to complete set projects and to design and make personal projects. By completing different models, students will learn many new skills.

These skills will involve lathe work, carving, joint construction, finishing, model making, and the use of hand and power tools.



COURSE:	METALS
CODE:	10DTM
STUDY TYPE:	2 periods per week
DURATION:	Semester
PREREQUISITES:	Nil
RELEVANT PATHWAY:	Certificate I/II Engineering

DESCRIPTION: Students will develop problem solving and metalworking skills to complete set projects and to design and make personal projects.

Students will complete a range of processes such as, welding, soldering and casting and also learn how to handle a range of specialist tools and equipment including lathes, pedestal drills, oxy-acetylene equipment and arc and mig welders.



COURSE: CHILDCARE
CODE: 10HECC
STUDY TYPE: 2 periods per week
DURATION: Semester
PREREQUISITES: Nil

DESCRIPTION: Do you want the confidence and ability to become a childcare worker? Design children's clothes and food? Know how to look after tiny babies up to young children? These great skills could lead to profitable part-time jobs in early child care or simply being able to look after a young family member with confidence and ability. Using some of the best technology in computerised babies, and learning the latest practices in childcare, you will be able to do everything from bathing a baby, designing a children's party to making clothes and accessories. Have fun in a very hands on subject, and next time your family or friends need a babysitter or organiser for a children's birthday party, you will know just the person for the job!



COURSE: COOKING
CODE: 10HEFT
STUDY TYPE: 2 periods per week
DURATION: Semester
PREREQUISITES: Nil

DESCRIPTION: Students can choose to study Cooking where they are encouraged to build a sound knowledge of the skills required to work with food. The activities in class assist students to formulate valuable life skills in food preparation as well as understanding nutrition. These skills empower students to take control of their food choices and therefore their health and well-being. Students will cover a range of topics throughout the year of learning.



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SENIOR HIGH SCHOOL

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