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KATANNING  
SENIOR HIGH SCHOOL

**2018**

**YEAR 9  
HANDBOOK**





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Dear Parents and Guardians

## INTRODUCTION

The time has come for you to make some important decisions with your child. Courses selected for Year 9 and Year 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 9 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

The essential requirement for each student is that he or she, 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 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
Science
Humanities and Social Sciences
Health and Physical Education

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

<b>Subject Selection Forms Due</b>	<b>Friday 28 July 2017</b>
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

<b>COURSE:</b>	ENGLISH
<b>CODE:</b>	09ENG
<b>STUDY TYPE:</b>	Compulsory
<b>DURATION:</b>	Whole School Year
<b>PREREQUISITES:</b>	Nil

**DESCRIPTION:** The Year 9 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 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

Students will be assessed using A to E grades.

### MATHEMATICS

<b>COURSE:</b>	MATHEMATICS
<b>CODE:</b>	09MAT
<b>STUDY TYPE:</b>	Compulsory
<b>DURATION:</b>	Whole School Year
<b>PREREQUISITES:</b>	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 9, students are expected to cover the following topics:

### **Number and Algebra**

Exploring real numbers in regards to proportion, index laws and scientific notation. These skills will be applied to financial situations involving simple interest. Students will also aim to extend number laws into the use of variables, developing algebraic techniques and using these skills to create graphs on the Cartesian plane.

### **Measurement and Geometry**

Identifying basic shapes within composite shapes to then investigate surface area and volume. Students will extend their abilities to work with time scales as well as exploring the properties of shapes with regards to scale factors, trigonometry and Pythagoras' Theorem.

### **Statistics and Probability**

Data is collected and explored using different forms of graphs and measures of central tendency. Students will be expected to work with the mean, median and range of statistical data and comment on their findings. Chance situations are also explored, looking at two step experiments and their relative frequencies.

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 aides, including a scientific calculator, ruler and drawing implements, to every class, attending regularly and utilising our homework classes for additional assistance as required.

Year 9 students will also be expected to complete the NAPLAN assessment in Term 2 of the school year. This assessment helps to track student progress throughout their academic career and allows staff to further identify areas of need for explicit teaching.



# SCIENCE

**COURSE:** SCIENCE  
**CODE:** 09SCI  
**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 9 students will study the following:

<b>Biological Sciences:</b> Organisms, Ecosystems and the Environment	<b>Earth and Space Sciences:</b> Plate Tectonics and the forces that have shaped the world
<b>Chemical Sciences:</b> Matter and Chemical Reactions	<b>Physical Sciences:</b> Energy transfers in everyday life

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.



## HUMANITIES AND SOCIAL SCIENCES (HASS)

<b>COURSE:</b>	HUMANITIES AND SOCIAL SCIENCES
<b>CODE:</b>	09HASS
<b>STUDY TYPE:</b>	Compulsory
<b>DURATION:</b>	Whole School Year
<b>PREREQUISITES:</b>	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.

Learning in Civics and Citizenship will focus on our democratic rights and responsibilities with a focus on the features and working of Australia's political and judicial systems. Economics and Business will focus on Australia and the global economy while Geography will focus on Biomes and food security and our increasingly interconnected world. The study of History will centre on the making of the modern world with an emphasis on the Industrial Revolution and a study of World War One and Australia's role in it.

Incorporated into the Year 9 HASS courses 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

<b>COURSE:</b>	HEALTH AND PHYSICAL EDUCATION
<b>CODE:</b>	09HPE
<b>STUDY TYPE:</b>	Compulsory
<b>DURATION:</b>	Whole School Year
<b>PREREQUISITES:</b>	Nil

**DESCRIPTION:** In Year 9, the content provides for students to broaden their knowledge of the factors that shape their personal identity and the health and wellbeing of others. They further develop their ability to make informed decisions, taking into consideration the influence of external factors on their behaviour and their capacity to achieve a healthy lifestyle. They continue to develop knowledge, skills and understandings in relation to respectful relationships. With a focus on relationship skills that promote positive interactions, and manage conflict.

Students focus on elements of speed and accuracy in different movement environments, while continuing to develop the efficiency of specialised movement skills. They explore ways to evaluate their own and others' performances through analysis of skills and movement patterns using basic biomechanical concepts. They transfer previous knowledge of outcomes in movement situations to inform and refine skills, strategies and tactics to maximise success.



Opportunities are provided for students to refine and consolidate skills and strategies for effective leadership and teamwork, and consistently apply ethical behaviour across a range of movement contexts.

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 9 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**

## 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



<b>COURSE:</b>	VISUAL ARTS (CREATIVE)
<b>CODE:</b>	09VAR
<b>STUDY TYPE:</b>	2 periods per week
<b>DURATION:</b>	Semester
<b>PREREQUISITES:</b>	Nil
<b>RELEVANT PATHWAY:</b>	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:** 09VAPI  
**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 Graphics.

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:** 09PF  
**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.

<b>COURSE:</b>	RECREATIONAL SPORT
<b>CODE:</b>	09RS
<b>STUDY TYPE:</b>	2 periods per week
<b>DURATION:</b>	Semester
<b>PREREQUISITES:</b>	Nil
<b>RELEVANT PATHWAY:</b>	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

<b>COURSE:</b>	FURNITURE WOODWORK
<b>CODE:</b>	09FN
<b>STUDY TYPE:</b>	2 periods per week
<b>DURATION:</b>	Semester
<b>PREREQUISITES:</b>	Nil
<b>RELEVANT PATHWAY:</b>	Certificate I/II Engineering

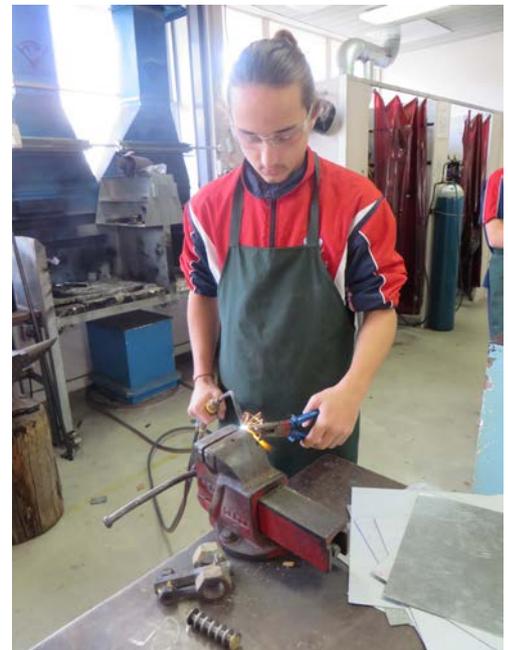
**DESCRIPTION:** Students will develop problem solving and woodworking skills to complete set projects and to design and make personal projects. By completing different models, students will learn many new skills.

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

<b>COURSE:</b>	METALS
<b>CODE:</b>	09MT
<b>STUDY TYPE:</b>	2 periods per week
<b>DURATION:</b>	Semester
<b>PREREQUISITES:</b>	Nil

**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:** HOME ECONOMICS  
**CODE:** 09HE  
**STUDY TYPE:** 2 periods per week  
**DURATION:** Semester  
**PREREQUISITES:** Nil

**DESCRIPTION:** This course is available to Year 9 students as an option that includes sewing and cooking aspects. They develop the skills required to use a sewing machine, over locker and equipment required for cutting and pattern making. They also gain the knowledge of different techniques used in the construction of articles and garments.

The cooking activities in class assist students to formulate valuable life skills in food preparation as well as understanding nutrition.

This is a stepping stone into a career of hospitality, fashion or child care.



**COURSE:** COOKING  
**CODE:** 09CK  
**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.





KATANNING  
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