

# YEAR 9 SUBJECTS 2018



## COMPULSORY SUBJECTS

### ENGLISH

### Learning Area – English

In Year 9 English students study a variety of genres to address the outcomes of Reading and Viewing, Writing, and Speaking and Listening. Students learn a variety of reading strategies, write persuasive essays, read and respond to poetry/song lyrics, study novels and feature articles, view documentaries and current affairs programs and look into the world of electronic texts. There is a year-long focus on the conventions of Standard Australian English such as spelling, punctuation and grammar. Students in all classes follow a similar program; however there is opportunity for classes and teachers to explore topics and themes of interest. We have fully implemented the Western Australian Curriculum and continue to look forward to integrating various information technologies to our teaching and learning programs. Students are adequately prepared for the NAPLAN assessments in Year 9 English and there is also a focus on strategically analysing their assessment data to maximise their chances of passing the Online Literacy and Numeracy Assessments in later years.

### MATHEMATICS

### Learning Area - Mathematics

The Western Australian Curriculum: Mathematics provides students with essential mathematical skills and knowledge in *Number and Algebra*, *Measurement and Geometry*, and *Statistics and Probability*. It develops the numeracy capabilities that all students need in their personal, work and civic lives, and provides the fundamentals on which mathematical specialties and professional applications of mathematics are built. The curriculum focuses on developing increasingly sophisticated and refined mathematical understanding, fluency, logical reasoning, analytical thought and problem-solving skills. These capabilities enable students to respond to familiar and unfamiliar situations by employing mathematical strategies to make informed decisions and solve problems efficiently.

#### Topics Studied:

##### Number and Algebra

- Real Numbers
- Money and financial mathematics
- Patterns and algebra
- Linear and non-linear relationships

##### Measurement and Geometry

- Using units of measurement
- Geometric reasoning
- Pythagoras and trigonometry

##### Statistics and Probability

- Chance
- Data representation and interpretation

### SCIENCE

### Learning Area – Science

The Western Australian Curriculum: Science provides students with skills and knowledge in Physics, Chemistry, Biology, Earth and Space and Investigating. It develops their critical thinking and analysis skills that students need in order to make informed decisions about the world around them; their personal, work and civic lives and provide the fundamentals on which science professions are built.

The Year 9 students will build on their Science Inquiry Skills and incorporate these into a wide range of contexts. The content strands focus on developing students' knowledge and understanding of systems, interactions between differing systems, how these are influenced by external factors as well as developing a more sophisticated understanding of these systems within a global context.

## **HUMANITIES AND SOCIAL SCIENCES**

## **Learning Area – Humanities and Social Sciences**

Changes confront students in a number of contexts – local, national, regional and global. These include increasing interdependence as a result of globalisation; the use and impact of new technologies; the dynamic nature of social, economic and political structures and relationships; the increasing demand for declining natural resources and the emergence of sustainable management practices; and the acquisition and application of new knowledge.

Students are encouraged to apply the understandings and skills developed in **History, Economics and Business, Civics and Citizenship and Geography** in their own lives, in developing environmental consciousness, social competence and civic responsibility. In doing so, they are engaged in actively exploring, making sense of and contributing to improving the world around them.

## **PHYSICAL EDUCATION**

## **Health and Physical Education – Physical Activity**

Students have the opportunity to select and use individual movement skills and sequences that increase in complexity and perform them with increased speed, control and improved accuracy. They will implement tactics and adapt them in response to previous performances.

Students will be able to describe projectile motion; summation of forces; and ways to measure a number of the body's responses to physical activity. In competitive contexts, students will have the opportunity to participate ethically and demonstrate ways to build motivation and encourage teamwork.

### **Topics Studied:**

- Athletics
- Volleyball
- Baseball
- Recreation Football or Rugby League
- Tennis
- Soccer
- Captaining and Umpiring

## **HEALTH EDUCATION**

## **Health and Physical Education – Health**

Students identify and apply relevant criteria to determine reliability of online health information and whether it is suitable for use in a particular context.

Students evaluate a range of characteristics of respectful relationships, such as showing respect for self and others, and personal differences and opinions. They will describe and apply appropriate skills and strategies to resolve and manage conflict within different environments.

### **Topics Studied:**

- Sexual Health
- Drug Education
- Physical Activity and Balanced Diet
- Risks
- First Aid
- Self-Identity
- Respectful Relationships
- Harassment, Discrimination and Abuse
- Mental Health

## CHOICE SUBJECTS

### **CERTIFICATE 1 IN AUTOMOTIVE - BASICS (7090)**

### **Technologies - Design & Technology**

Students will study basic knowledge, processes and practical skills for use in an automotive technology industry. Students are encouraged to develop, design and use problem solving techniques in this course. The course will use mechanical knowledge to apply to simple practical projects. This will be a good subject to prepare students for a career in the automotive industry. This subject involves components of written work especially with the nature of using design briefs to complete practical projects.

**Topics Studied** will be selected from:

- Car Types/engines/basic mechanics
- Mechanics & Robotics

Prerequisite skills/experience

- Demonstrated ability to practice safe working practices.
- An interest and a future career in the Automotive Industry

### **CERTIFICATE 1 IN ENGINEERING AND FURNISHING (7099) Technologies - Design & Technology**

Our program provides a learning environment where students can focus on developing industry standard skills (metal or wood) whilst remaining enrolled at school. The centre is located off site (5 min walk) providing an authentic learning environment. Students will collect evidence towards 9 units of competencies that make up the Certificate I in Engineering & Certificate 1 in Furnishing and complete a workplace journal that demonstrate how they apply employability skills in a simulated work environment. Successful completion of the course will provide students with a nationally recognised TAFE qualification and significant credit towards their year 12 secondary graduation requirements (WACE). Students will engage in the program and walk independently to the centre and must be able to manage their time to ensure they are not late for scheduled classes.

### **COMPUTER SCIENCE (8094)**

### **Digital Technologies**

This course offers opportunities for students to study the intricate workings of computer systems, identifying all the components that make a computer system operate. It will involve students physically building and repairing computer networks and systems. The course will also provide students with the opportunity to explore ways of producing new system software and programs.

**Topics Studied:**

- Application and System Software
- Hardware Devices
- Tools for building computer systems
- Digital Technology
- Graphic Design
- Design Briefs
- Computer Network Systems
- Resources required for building and repair maintenance to computer systems
- Fundamentals of Data Communications
- Robotic Systems

Recommended skills/experience

- Interest in maintaining or repairing computers systems (hardware and software)
- Background knowledge of computers and how they work
- An interest in Computer Technician Work

## CHILDREN, FAMILY and COMMUNITY (9096)

## Technologies - Home Economics

This course introduces students to the needs of young children and how we can best care for them. Learning about family structures, communities, how children grow and develop in a family. Practical skills relating to the life of a young child such as bathing, dressing and feeding are covered. Students will develop activities for young children and plan and prepare activities for visiting groups of children. Students may also choose to participate in the "Baby Think It Over" virtual parenting experience. This course is good preparation for Year 10 Children and Family Studies and has links to the Year 11 Early Childhood Studies subject. Eighty percent (80%) of this course is theoretical while the remaining 20% involves engaging in practical experiences associated with the development of children.

### Topics Studied:

- Child Development
- Pregnancy and Childbirth
- Contraception
- Child Infant Health
- Childhood Diseases
- Child and Play
- Food and Nutrition
- Practical Cookery
- Practical Crafts for children

### Prerequisite skills/experience

- An interest in working with children, medicine and/or nursing.

## DANCE (4191)

## The Arts – Performing Arts

In this course students aim to execute technical dance skills safely particularly in the Contemporary Dance genre, demonstrating coordination, control of body placement and alignment appropriate to the choreography. Students perform dance to an audience focussing on retention, clarity of movement, projection, musicality and appropriate expression, reflecting the choreographic intent. Students use improvisation skills to explore new movement possibilities. They select and combine the elements of dance (BEST), use specific choreographic devices and structure to choreograph dance that communicates choreographic intent. Students use reflective writing to describe the effectiveness of the choices made in the use of BEST and design concepts, and how they contribute to the meaning in their own and others' dance using relevant dance terminology. Students outline the evolution of particular genres/styles.

### Topics Studied:

- Warm Up and Cool Down
- Jazz Dance
- Contemporary Dance
- Performance skills
- Choreography skills
- Dance reflecting and analysing
- Dance research

## DRAMA (4291)

## The Arts – Performing Arts

Students apply knowledge learnt through previous Drama studies to develop scripted and devised performances. Students will take part in whole class performance opportunities, and use a range of technologies to develop an understanding of backstage Design and Production. Students will develop advanced characterisation skills, and learn about a range of performance styles and genres.

### Topics Studied:

- Group devised shows
- Movement
- Character and voice
- Using appropriate technology
- Scriptwriting

## **FIBRE and TEXTILE PRODUCTION (9095)**

## **Technologies - Home Economics**

Students study topics related to the processes and production of textiles and fashion. There will be a focus on practical textile related activities. Fashion from around the world will be studied with relevance to new technologies. A subject that will benefit students wishing to further their education/careers in the fashion and textiles industry. 50% of the subject is practical based while the other 50% is gained from theoretical activities such as research assignments and design briefs.

### **Topics Studied:**

- Textile Properties – the science of it
- Fashion Design
- Fashion Designers
- Fibres, yarns & fabrics
- Fashion Concepts
- Fashion Industry
- Textile Industry
- Fashion Business
- Trends in textiles
- Fashion Technology
- Fashion Drawings
- Textile marketing
- Fashion Product Development
- Sewing Machines

### **Prerequisite skills/experience**

- Year 8 Textile Studies
- An interest in a future career in the textile or fashion industry

## **FOOD SPECIALISATION (9092)**

## **Technologies - Home Economics**

Students examine the lifestyle and food needs of a teenager. They will develop food production skills whilst planning and preparing foods and meals for a variety of lifestyles (fit and active teen, social teen, working teen). Students will explore activities relevant to a teenager's lifestyle and how food can be used to optimise and enhance enjoyment of this stage of life. Fifty (50)% of this course will be devoted to practical cookery while the remaining 50% will be applied to written research projects and theoretical concepts applied to food studies.

### **Topics Studied:**

- Social Occasions
- Healthy Eating
- Practical Cookery
- Foods for gift giving e.g. gift baskets
- Planning a Party with Food
- Cake Decorating
- Eating Issues
- Table Setting Design
- Menu planning

### **Prerequisite skills/experience**

- An interest in cookery, cake decorating, food & nutrition
- An interest and a future career in Hospitality

## **GOLDFIELDS CLONTARF ACADEMY (2191)**

The Goldfields Clontarf Academy is run by the Clontarf Foundation and works in partnership with Kalgoorlie-Boulder Community High School. All Aboriginal boys are eligible to apply and must demonstrate commitment to their educational programs, school activities and football training to maintain their position. The program aims to support students to remain engaged in learning and successfully transition from Kalgoorlie-Boulder Community High School into further education, training or employment. A key aspect of this work is developing employability skills and a sustained commitment to on-going learning in the boys.

## **KALGOORLIE GIRLS ACADEMY (2192)**

Students further develop performance skills and game strategies through their involvement in a variety of sports. Students will use self-management, interpersonal and communication skills during Team Challenge and Physical Education lessons. The course is designed to develop student's academic performance, personal growth and learning the benefits of a healthy and active lifestyle.

### **Topics Studied:**

- Range of Sports (specialising in basketball and netball)
- Team Challenges (group tasks and individual challenges)
- Cooking healthy and nutritious meals
- Personal Development (literacy, numeracy, health, careers)
- Camps designed to develop leadership skills and skills for physical activity

## **MULTI-MEDIA (4391)**

### **The Arts - Media**

This intensive, hands on unit is designed for students who have a keen interest in several forms of Media and Photography. During this course, students will have the opportunity to study various media and photography techniques. There is great emphasis on teamwork and collaboration as all tasks are carried out to reflect a realistic and professional environment.

### **Topics Studied:**

- Film trailers
- Advertising
- Documentaries
- Photography
- Story Board
- Scriptwriting
- Film Production
- Adobe Photoshop and Premiere Pro

## **MUSIC (5092)**

### **The Arts - Music**

Successful completion of this course (in Years 9 and 10) will provide students with a nationally accredited Certificate. This certificate is recognised and contributes to secondary graduation (WACE). At the beginning of the Course students will need to nominate the instrument they will play and must demonstrate throughout the program that they are building their technical skills with their chosen instrument. Students will need to complete a practice and listening journal, perform on their chosen instrument in class and in Arts Night, keep a portfolio of their work, receive passing marks on online quizzes and a written exam and perform sight reading tests on their chosen instruments.

Students will have access to an online information and video resource which will enable them to complete the written parts of the assessment pieces as well as give practical instruction for some necessary skills in the music industry.

### **Topics Studied:**

- Develop music knowledge and listening skills
- Follow Safe Practices in performing and listening to Music
- Develop basic technical skills for playing and singing Music

### **Required skills/ experience**

- Students must have their own instrument or hire one.
- Students will be selected through an audition process
- Students who already have some musical experience will be better able to complete this certificate. It is possible for students who have no prior music training to be successful in this course; however students must be willing to spend extra time working on developing their skills to reach a level such that they would be able to perform on their chosen instruments.

## **MULTI-SPORT (6590)**

### **Health and Physical Activity – Physical Activity**

Students will have the opportunity to develop their skills, strategies and confidence to participate in a range of sports, games and recreational activities on a 'social' level. Focus will be given towards leadership skills, ethical sporting behaviour and selecting and applying offensive and defensive strategies designed to create and restrict scoring opportunities.

#### **Topics which may be covered:**

- European Handball
- Dodge Ball Games
- Gridiron
- Floor Hockey
- Ultimate Frisbee
- League Tag
- Paintball (Modified)
- Table Tennis

#### Recommended skills/experience:

- Completion of Year 8 Health and Physical Education with achievement of C Grade or above.
- Completion of Year 8 Multi-Sport with achievement of C Grade or above.

## **OUTDOOR EDUCATION (6690)**

### **Health and Physical Education – Physical Activity**

Students will develop their knowledge, skills and awareness to safely participate in a range of outdoor pursuits in the natural environment. Focus will be given towards environmental conditions and minimising human impact. Students will also be required to use leadership and problem solving skills through a variety of team building activities and challenges. The course aims to culminate with an overnight camp to give students an opportunity to demonstrate and further extend their acquired skills.

#### **Topics Studied:**

- Mountain Biking
- Advanced Orienteering
- Advanced Rope Tying
- Indigenous Games
- Camp Cooking/ Camp Set Up
- Minimal Impact
- Building Terminology
- Leadership Skills
- Team Building
- Problem Solving
- Opportunity for Overnight Camp

#### Recommended skills/experience:

- Completion of Year 8 Health and Physical Education with achievement of C Grade or above.
- Interest and appreciation for the outdoors.

## **SPECIALISED SPORT**

### **Health and Physical Education – Physical Activity**

**Semester 1: Choice of AFL/Soccer/Netball/Volleyball (Boys and Girls)**

**Semester 2: Choice of Basketball/Touch/Cricket (Boys and Girls)**

Students will develop advanced performance skills and game strategies through their involvement in a variety of drill-centred training sessions and game-based competitions. A focus will be given to developing relevant fitness components to improve performance as well as exposing students to umpiring and coaching roles. Students will be required to participate in all aspects of the course and must have aspirations to be selected into school-based teams and local development squads.

#### **Topics Studied:**

- Fitness Training
- Skill Development
- Umpiring/Refereeing
- Coaching
- Preparation Techniques
- Rules and Etiquette
- Leadership
- Student led competition

#### Prerequisite skills/experience:

- Completion of Year 8 Health and Physical Education with achievement of C Grade or above.
- Interest in the Specialised Sport and aspiration to achieve at a high level.
- Competent sportsperson who regularly participates in sport in the Goldfields.

## **VISUAL ART (4092)**

## **The Arts – Visual Art**

The Visual Art course offers students the opportunity to express their individual ideas in a visual format. Students will learn a variety of art techniques and how to use a variety of mediums to create artworks for exhibition to creative design pieces, in both two and three dimensions. Students will be encouraged to display their art work within the community and at the Arts Night.

Students will study other Artists and Art movements, historical and contemporary in both class discussions and reflections through written components. They will use these concepts in influencing the creation of their own artworks and in the final evaluation stage.

### **Topics Studied:**

- Graphic illustration
- Clay Sculpture
- Art Theory
- Mixed Media
- Painting
- Printing
- Self-evaluation

## **WOOD PRODUCTION (7094)**

## **Technologies - Design & Technology**

Students will study knowledge, processes and practical skills in all facets of design and technology. Students are encouraged to develop, design and use problem solving techniques in this course. The course will combine areas of technical drawing, woods, metals, and mechanics so as to prepare students to plan and produce articles suited to the technological age in which people now live. This subject involves components of written work especially with the nature of using design briefs to complete practical projects.

### **Topics Studied** will be selected from:

- Wood Working Constructions – Furniture Pieces, Personal Items
- Safety Processes
- The Building and Construction Industry
- Engineering Applications
- The Mechanical Technologies Industry
- Technical Drawing
- Plastics
- Robotics

### **Prerequisite skills/experience**

- Demonstrated ability to practice safe working practices
- An interest and a future career in a Design & Technology industry

## **WORK STUDIES (2190)**

This is a future-focused course which provides students with the opportunity to begin preparing to make the transition to their post-school lives. These decisions are vitally important for students to move successfully from school to further education, training, employment and participation in the community. Learning programs align with National Curriculum, investigate the merits of future pathways and develop a personal portfolio. At Kalgoorlie-Boulder Community High School this course is aligned with the Australian Blueprint for Career Development and the Core Skills Framework.