



Coomandook Area School

"Striving To Make The Difference"

CURRICULUM PROSPECTUS

2020

Year 8 – 12

Respect, Honesty, Persistence



Government of South Australia
Department for Education

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YEAR 8

SUBJECT OFFERINGS FOR 2020

SUBJECT SELECTION

All Year 8 students study a range of Australian Curriculum subjects. Students study in 5 core learning areas for a full year. This is complemented by studying all of the choice subjects for 1 term (or equivalent) to enable students a taste of all areas before selecting subjects from Year 9 onwards.

YEAR 8 CURRICULUM

COMPULSORY SUBJECTS – FULL YEAR

English

HASS

Mathematics

Physical Education and Health

Science

EXPERIENTIAL SUBJECTS – 1 TERM (OR EQUIVALENT)

Agriculture (*studied for 1 semester or equivalent*)

Design and Technology – Digital Technology

Design and Technology – Home Economics (*studied for 1 semester or equivalent*)

Design and Technology – Technology Studies

Performing Arts

Visual Art/Design

AGRICULTURE

Contact: PHIL ROBERTS

Course Length	1 Semester
Description	Students undertake an range of developmental skills at the school's Ag Plots. Topics for study can include farm safety, poultry, sheep and cattle husbandry and vegetable production.
Recommended Background	Nil
Additional Costs/Information	Appropriate clothing and footwear must be worn. Show Team uniform is a requirement for some students.

DESIGN AND TECHNOLOGY - DIGITAL TECHNOLOGY

Contact: JARED WALLIS

Course Length	1 Term
Description	Students plan and manage digital projects using an iterative approach. They define and decompose complex problems in terms of functional and non-functional requirements. Students design and evaluate user experiences and algorithms. They design and implement modular programs, including an object-oriented program, using algorithms and data structures involving modular functions that reflect the relationships of real-world data and data entities.
Recommended Background	Nil
Additional Costs/Information	USB flash drive

DESIGN AND TECHNOLOGY - HOME ECONOMICS

Contact: ANGELA THORLEY

Course Length	1 Semester
Description	Students apply nutrition principles and knowledge of the characteristics and properties of food to plan, prepare and present healthy dishes. An emphasis is given to safe food and hygiene practices, sound management and organization, using written and visual instructions and appropriate and safe use of equipment and processes. They design and develop food products for an occasion and purpose. In Textiles, students use of technology enables them to construct textile items from a variety of fabrics and materials. They will consider sustainable use of resources including recycling in planning and designing. Students work through the Design Cycle as they design and plan creative projects and reflect on the success of their design choices. Students will work in groups during food practical lessons and individually in textiles lessons. Problem solving, teamwork and communication skills are emphasized. WHS is a significant component of this subject.
Recommended Background	Nil
Additional Costs/Information	Closed in footwear is essential with long hair being tied up or put up under a cap.

DESIGN AND TECHNOLOGY - TECHNOLOGY STUDIES

Contact: JARED WALLIS

Course Length	1 Term
Description	Students are encouraged to develop their skills, knowledge and understanding within the workshop environment using a variety of products including plastics, electronics, metal and wood. With emphasis on safety, students use a variety of workshop equipment and are encouraged to manipulate the respective materials. Problem solving, teamwork and communication skills are emphasised. Students are challenged to undertake design in manufacture in a variety of projects. Students are also made aware of environmental and social issues related to manufacture. Students further develop technical drawing techniques as they work through the design cycle. WHS is a significant component of this subject.
Recommended Background	Nil
Additional Costs/Information	Some additional costs may be incurred depending upon materials used. Closed in footwear is essential.

ENGLISH

Contact: STEPHANIE LEE

Course Length	Full Year
Description	The study of English is central to the learning and development of all young Australians. It helps create confident communicators, imaginative thinkers and informed citizens. It is through the study of English that individuals learn to analyse, understand, communicate and build relationships with others and with the world around them. The study of English plays a key role in the development of reading and literacy skills which help young people develop the knowledge and skills needed for education, training and the workplace. It helps them become ethical, thoughtful, informed and active members of society.
Recommended Background	Nil
Additional Costs/Information	Nil

HASS

Contact: TAMSIN MARTIN

Course Length	Full Year
Description	History provides opportunities for students to investigate Australian and world history. Australian history is to be taught within a world history context. Students develop knowledge, understanding and skills through their study of societies, events, movements and developments. There are opportunities to study the role of individuals and groups and their significance. Geography provides opportunities for students to investigate, analyse and explain the characteristics of the places that make up our world.
Recommended Background	Nil
Additional Costs/Information	Nil

MATHEMATICS

Contact: JACOB DAWSON

Course Length	Full Year
Description	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 life, and provides the fundamentals on which mathematical specialties and professional applications of mathematics are built.
Recommended Background	Nil
Additional Costs/Information	A scientific calculator is required (approximately \$22).

PERFORMING ARTS

Contact: TAMSIN MARTIN

Course Length	1 Term
Description	The Arts have the capacity to engage, inspire and enrich all students, exciting the imagination and encouraging them to reach their creative and expressive potential. The three subjects (music, drama and dance) enable students to learn how to create, design, represent, communicate and share their imagined and conceptual ideas, emotions, observations and experiences.
Recommended Background	Nil
Additional Costs/Information	Nil

PHYSICAL EDUCATION AND HEALTH

Contact: JENNI LUTZE

Course Length	Full Year
Description	Health and Physical Education offers experiential learning, with a curriculum that is relevant, engaging, contemporary, physically active, enjoyable and developmentally appropriate. Integral to Health and Physical Education is the acquisition of movement skills, concepts and strategies that enable students to participate in a range of physical activities confidently and competently. In Health and Physical Education, students develop the knowledge, understanding and skills to support them to be resilient, to develop a strong sense of self, to build and maintain satisfying relationships, to make health-enhancing decisions in relation to their health and physical activity participation, and to develop health literacy competencies in order to enhance their own and others' health and wellbeing.
Recommended Background	Nil
Additional Costs/Information	All students are required to have a change of clothes for practical lessons. Participation in USE sports events is expected.

SCIENCE

Contact: DEREK SMITH

Course Length

Full Year

Description

Science provides opportunities for students to develop an understanding of important science concepts and processes, the practices used to develop scientific knowledge, of science's contribution to our culture and society, and its applications in our lives. It provides an understanding of scientific inquiry methods, a foundation of knowledge across the disciplines of science, and develops an ability to communicate scientific understanding and use evidence to solve problems and make evidence-based decisions. The curriculum supports students to develop the scientific knowledge, understandings and skills to make informed decisions about local, national and global issues and to participate, if they so wish, in science-related careers.

Recommended Background

Nil

Additional Costs/Information

Nil

VISUAL ART/DESIGN

Contact: SHERYL SCHILLING

Course Length

1 Term

Description

The Arts have the capacity to engage, inspire and enrich all students, exciting the imagination and encouraging them to reach their creative and expressive potential. The two subjects (art and design) enable students to learn how to create, design, represent, communicate and share their imagined and conceptual ideas, emotions, observations and experiences. Students experience art disciplines such as drawing, painting, ceramics, printmaking, sculpture, photography, textiles and craft.

Recommended Background

Nil

Additional Costs/Information

Nil

YEAR 9

SUBJECT OFFERINGS FOR 2020

SUBJECT SELECTION

All Year 9 students study a combination of compulsory subjects and choice subjects. Students should make their choices based on their own interests and the direction they are aiming for in the senior years. Year 9's choose 4 semesters of Choice Subjects to be studied.

YEAR 9 CURRICULUM

COMPULSORY SUBJECTS – FULL YEAR

English

HASS

Mathematics

Physical Education and Health

Science

CHOICE SUBJECTS – 1 SEMESTER

Agriculture A

Agriculture B

Design and Technology – Digital Technology

Design and Technology – Home Economics

Design and Technology – Technology Studies

Performing Arts

Visual Art/Design

AGRICULTURE A AND B

Contact: PHIL ROBERTS

Course Length	Full Year or 1 Semester
Description	Students undertake an range of developmental skills at the school's Ag Plots. Topics for study can include farm safety, poultry, sheep and cattle husbandry and vegetable production.
Recommended Background	Nil. Students with a history of unsafe practical performance will be ineligible for this subject without approval of the Agriculture Teacher.
Additional Costs/Information	Appropriate clothing and footwear must be worn. Show Team uniform is a requirement for some students.

DESIGN AND TECHNOLOGY - DIGITAL TECHNOLOGY

Contact: JARED WALLIS

Course Length	1 Semester
Description	Students plan and manage digital projects using an iterative approach. They define and decompose complex problems in terms of functional and non-functional requirements. Students design and evaluate user experiences and algorithms. They design and implement modular programs, including an object-oriented program, using algorithms and data structures involving modular functions that reflect the relationships of real-world data and data entities.
Recommended Background	Nil
Additional Costs/Information	USB flash drive

DESIGN AND TECHNOLOGY - HOME ECONOMICS

Contact: ANGELA THORLEY

Course Length	1 Semester
Description	Students apply nutrition principles and knowledge of the characteristics and properties of food to plan, prepare and present healthy dishes. They design and develop food products for an occasion and purpose. In Textiles, skills in reading commercial patterns will be developed. They will consider sustainable use of resources including recycling in planning and designing. Students work through the Design Cycle and reflect on the success of their design choices. Topics may include cooking methods, and meat cookery, camp cooking, planning an enterprise, labelling, packaging and marketing. Students will make projects including items like clothing ie boxers or pyjamas, variety of bags etc
Recommended Background	Nil
Additional Costs/Information	Closed in footwear is essential with long hair being tied up or put up under a cap.

DESIGN AND TECHNOLOGY - TECHNOLOGY STUDIES

Contact: JARED WALLIS

Course Length	1 Semester
Description	Students are encouraged to develop their skills, knowledge and understanding within the workshop environment using a variety of products including plastics, electronics, metal and wood. With emphasis on safety, students use a variety of workshop equipment and are encouraged to manipulate the respective materials. Problem solving, teamwork and communication skills are emphasised. Students are challenged to undertake design in manufacture in a variety of projects. Students are also made aware of environmental and social issues related to manufacture. Students further develop technical drawing techniques as they work through the design cycle. WHS is a significant component of this subject.
Recommended Background	Nil. Students with a history of unsafe practical performance will be ineligible for this subject without approval of the Technology Studies Teacher.
Additional Costs/Information	Some additional costs may be incurred depending upon materials used. Closed in footwear is essential.

ENGLISH

Contact: STEPHANIE LEE

Course Length	Full Year
Description	The study of English is central to the learning and development of all young Australians. It helps create confident communicators, imaginative thinkers and informed citizens. It is through the study of English that individuals learn to analyse, understand, communicate and build relationships with others and with the world around them. The study of English plays a key role in the development of reading and literacy skills which help young people develop the knowledge and skills needed for education, training and the workplace. It helps them become ethical, thoughtful, informed and active members of society.
Recommended Background	Year 8 English
Additional Costs/Information	Nil

HASS

Contact: TAMSIN MARTIN

Course Length	Full Year
Description	History provides opportunities for students to investigate Australian and world history. Australian history is to be taught within a world history context. Students develop knowledge, understanding and skills through their study of societies, events, movements and developments. There are opportunities to study the role of individuals and groups and their significance. Geography provides opportunities for students to investigate, analyse and explain the characteristics of the places that make up our world.
Recommended Background	Year 8 HASS
Additional Costs/Information	Nil

MATHEMATICS

Contact: JACOB DAWSON

Course Length

Full Year

Description

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 life, and provides the fundamentals on which mathematical specialties and professional applications of mathematics are built.

Recommended Background

Year 8 Mathematics

Additional Costs/Information

A scientific calculator is required (approximately \$22).

PERFORMING ARTS

Contact: TAMSIN MARTIN

Course Length

1 Semester

Description

The Arts have the capacity to engage, inspire and enrich all students, exciting the imagination and encouraging them to reach their creative and expressive potential. The three subjects (music, drama and dance) enable students to learn how to create, design, represent, communicate and share their imagined and conceptual ideas, emotions, observations and experiences.

Recommended Background

Nil

Additional Costs/Information

Nil

PHYSICAL EDUCATION AND HEALTH

Contact: JENNI LUTZE

Course Length

Full Year

Description

Health and Physical Education offers experiential learning, with a curriculum that is relevant, engaging, contemporary, physically active, enjoyable and developmentally appropriate. Integral to Health and Physical Education is the acquisition of movement skills, concepts and strategies that enable students to participate in a range of physical activities confidently and competently. Topics include: health benefits of physical activity, mental health and wellbeing, relationships and sexuality, challenge and adventure activities, games and sports and rhythmic and expressive movement activities.

Recommended Background

Nil

Additional Costs/Information

All students are required to have a change of clothes for practical lessons. Participation in USE sports events is expected.

SCIENCE

Contact: DEREK SMITH

Course Length

Full Year

Description

Science provides opportunities for students to develop an understanding of important science concepts and processes, the practices used to develop scientific knowledge, of science's contribution to our culture and society, and its applications in our lives. It provides an understanding of scientific inquiry methods, a foundation of knowledge across the disciplines of science, and develops an ability to communicate scientific understanding and use evidence to solve problems and make evidence-based decisions. The curriculum supports students to develop the scientific knowledge, understandings and skills to make informed decisions about local, national and global issues and to participate, if they so wish, in science-related careers.

Recommended Background

Year 8 Science

Additional Costs/Information

Nil

VISUAL ART/DESIGN

Contact: SHERYL SCHILLING

Course Length

1 Semester

Description

The Arts have the capacity to engage, inspire and enrich all students, exciting the imagination and encouraging them to reach their creative and expressive potential. The two subjects (art and design) enable students to learn how to create, design, represent, communicate and share their imagined and conceptual ideas, emotions, observations and experiences. Students experience art disciplines such as drawing, painting, ceramics, printmaking, sculpture, photography, textiles and craft.

Recommended Background

Nil

Additional Costs/Information

Nil

YEAR 10

SUBJECT OFFERINGS FOR 2020

SUBJECT SELECTION

Year 10 students study a combination of compulsory and choice subjects. The SACE Stage 1 Personal Learning Plan is also undertaken at Year 10. Students should make their choices based on their own interests and the direction they are aiming for in the senior years. Year 10's choose 4 semesters of Choice Subjects to be studied.

YEAR 10 CURRICULUM

COMPULSORY SUBJECTS – FULL YEAR

English

Mathematics

Physical Education and Health

Science

COMPULSORY SUBJECTS – 1 SEMESTER (OR EQUIVALENT)

HASS – History

HASS - Geography

Personal Learning Plan – SACE Stage 1

CHOICE SUBJECTS – 1 SEMESTER

Agriculture A

Agriculture B

Design and Technology – Digital Technology

Design and Technology – Home Economics

Design and Technology – Technology Studies

Maths Extension

Performing Arts

Visual Art/Design

AGRICULTURE A AND B

Contact: PHIL ROBERTS

Course Length	Full Year or 1 Semester
Description	Students undertake an range of developmental skills at the school's Ag Plots. Topics for study can include farm safety, poultry, sheep and cattle husbandry and vegetable production.
Recommended Background	Nil. Students with a history of unsafe practical performance will be ineligible for this subject without approval of the Agriculture Teacher.
Additional Costs/Information	Appropriate clothing and footwear must be worn. Show Team uniform is a requirement for some students.

DESIGN AND TECHNOLOGY - DIGITAL TECHNOLOGY

Contact: JARED WALLIS

Course Length	1 Semester
Description	Students plan and manage digital projects using an iterative approach. They define and decompose complex problems in terms of functional and non-functional requirements. Students design and evaluate user experiences and algorithms. They design and implement modular programs, including an object-oriented program, using algorithms and data structures involving modular functions that reflect the relationships of real-world data and data entities. The main focus of this class will be Web Development, Programming and Information Systems.
Recommended Background	Nil
Additional Costs/Information	USB flash drive

DESIGN AND TECHNOLOGY - HOME ECONOMICS

Contact: ANGELA THORLEY

Course Length	1 Semester
Description	Students apply nutrition principles and knowledge of the characteristics and properties of food to plan, prepare and present healthy dishes. They design and develop food products for an occasion and purpose. In Textiles, skills in reading commercial patterns will be developed. They will consider sustainable use of resources including recycling in planning and designing. Students work through the Design Cycle and reflect on the success of their design choices. Year 10 students, can as a class, choose to study either Foods or Textiles for the semester, or both, if desired. They will further develop skills, investigate materials ie. food ingredients or fabrics and haberdashery, consider sustainability in processes and materials and complete a project using the Design Cycle.
Recommended Background	Nil
Additional Costs/Information	Closed in footwear is essential with long hair being tied up or put up under a cap.

DESIGN AND TECHNOLOGY - TECHNOLOGY STUDIES

Contact: JARED WALLIS

Course Length	1 Semester
Description	Students are encouraged to develop their skills, knowledge and understanding within the workshop environment using a variety of products including plastics, electronics, metal and wood. With emphasis on safety, students use a variety of workshop equipment and are encouraged to manipulate the respective materials. Problem solving, teamwork and communication skills are emphasised. Students are challenged to undertake design in manufacture in a variety of projects. Students are also made aware of environmental and social issues related to manufacture. Students further develop technical drawing techniques as they work through the design cycle. WHS is a significant component of this subject.
Recommended Background	Nil. Students with a history of unsafe practical performance will be ineligible for this subject without approval of the Technology Studies Teacher.
Additional Costs/Information	Some additional costs may be incurred depending upon materials used. Closed in footwear is essential.

ENGLISH

Contact: STEPHANIE LEE

Course Length	Full Year
Description	The study of English is central to the learning and development of all young Australians. It helps create confident communicators, imaginative thinkers and informed citizens. It is through the study of English that individuals learn to analyse, understand, communicate and build relationships with others and with the world around them. The study of English plays a key role in the development of reading and literacy skills which help young people develop the knowledge and skills needed for education, training and the workplace. It helps them become ethical, thoughtful, informed and active members of society.
Recommended Background	Year 9 English
Additional Costs/Information	Nil

HASS – GEOGRAPHY

Contact: TAMSIN MARTIN

Course Length	1 Semester
Description	Geography provides opportunities for students to investigate, analyse and explain the characteristics of the places that make up our world.
Recommended Background	Nil
Additional Costs/Information	Some additional costs may be incurred for field trips/excursions.

HASS - HISTORY

Contact: TAMSIN MARTIN

Course Length	1 Semester
Description	History provides opportunities for students to investigate Australian and world history. Australian history is to be taught within a world history context. Students develop knowledge, understanding and skills through their study of societies, events, movements and developments. There are opportunities to study the role of individuals and groups and their significance.
Recommended Background	Year 9 HASS
Additional Costs/Information	Some additional costs may be incurred for field trips/excursions.

MATHEMATICS

Contact: JACOB DAWSON

Course Length	Full Year
Description	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 life, and provides the fundamentals on which mathematical specialties and professional applications of mathematics are built.
Recommended Background	Year 9 Mathematics
Additional Costs/Information	A scientific calculator is required (approximately \$22).

MATHS EXTENSION

Contact: JACOB DAWSON

Course Length	1 Semester
Description	The 10A content is intended for students who require more content to enrich their mathematical study whilst completing the common Year 10 content. Students intending to pursue Mathematical Methods and/or Specialist Mathematics in the senior secondary years are strongly encouraged to complete this semester course. A deeper understanding of mathematics in the curriculum enhances a student's potential to use this knowledge to solve non-routine problems, both at this level of study and at later stages.
Recommended Background	Year 9 Mathematics and recommendation of Year 9 Maths Teacher.
Additional Costs/Information	Nil. However purchase of a graphics calculator (approximately \$180) and access to a laptop is recommended.

PERFORMING ARTS

Contact: TAMSIN MARTIN

Course Length	1 Semester
Description	The Arts have the capacity to engage, inspire and enrich all students, exciting the imagination and encouraging them to reach their creative and expressive potential. The three subjects (music, drama and dance) enable students to learn how to create, design, represent, communicate and share their imagined and conceptual ideas, emotions, observations and experiences.
Recommended Background	Nil
Additional Costs/Information	Nil

PERSONAL LEARNING PLAN

Contact: JENNI LUTZE

Course Length	1 Semester
Description	The Personal Learning Plan (PLP) is a compulsory subject at Stage 1, undertaken at Year 10. Students must achieve a C grade or better to successfully complete the subject. The PLP helps students to plan for their future and assists them in choosing the subjects they will study in Years 11 and 12.
Recommended Background	Nil
Additional Costs/Information	Stage 1 compulsory subject. Students must achieve a C grade or better to gain their SACE.

PHYSICAL EDUCATION AND HEALTH

Contact: JENNI LUTZE

Course Length	Full Year
Description	Health and Physical Education offers experiential learning, with a curriculum that is relevant, engaging, contemporary, physically active, enjoyable and developmentally appropriate. Integral to Health and Physical Education is the acquisition of movement skills, concepts and strategies that enable students to participate in a range of physical activities confidently and competently. Topics include: alcohol and drugs, mental health and wellbeing, relationships and sexuality, challenge and adventure activities, games and sports and lifelong physical activities.
Recommended Background	Nil
Additional Costs/Information	All students are required to have a change of clothes for practical lessons. Participation in USE sports events is expected.

SCIENCE

Contact: DEREK SMITH

Course Length

Full Year

Description

Science provides opportunities for students to develop an understanding of important science concepts and processes, the practices used to develop scientific knowledge, of science's contribution to our culture and society, and its applications in our lives. It provides an understanding of scientific inquiry methods, a foundation of knowledge across the disciplines of science, and develops an ability to communicate scientific understanding and use evidence to solve problems and make evidence-based decisions. The curriculum supports students to develop the scientific knowledge, understandings and skills to make informed decisions about local, national and global issues and to participate, if they so wish, in science-related careers.

Recommended Background

Year 9 Science

Additional Costs/Information

Nil

VISUAL ART/DESIGN

Contact: SHERYL SCHILLING

Course Length

1 Semester

Description

The Arts have the capacity to engage, inspire and enrich all students, exciting the imagination and encouraging them to reach their creative and expressive potential. The two subjects (art and design) enable students to learn how to create, design, represent, communicate and share their imagined and conceptual ideas, emotions, observations and experiences. Students experience art disciplines such as drawing, painting, ceramics, printmaking, sculpture, photography, textiles and craft.

Recommended Background

Nil. However Year 9 Visual Art/Design is beneficial.

Additional Costs/Information

Nil

THE SOUTH AUSTRALIAN CERTIFICATE OF EDUCATION (SACE)

To complete the SACE, students must achieve 200 SACE credits across Stage 1 (Year 11) and Stage 2 (Year 12), including 50 credits for successful completion of 5 compulsory SACE subjects. Students are able to gain 10 credits for successful completion of a semester's work or VET equivalent.

COMPULSORY SACE SUBJECTS

Personal Learning Plan - All students complete the 10 credit Personal Learning Plan (PLP) in Year 10.

Literacy - All students complete 20 credits of an English subject at Stage 1 and achieve a C grade or better.

Numeracy - All students complete 10 credits of a Mathematics subject at Stage 1 and achieve a C grade or better.

Research Project - All students complete a 10 credit Research Project at a C- grade or better in Year 11.

ASSESSMENT

Stage 1 subjects in the SACE will be assessed by the school and moderated internally or externally.

All Stage 2 subjects will have a 30% external assessment component which will be done through assessment tasks such as exams, performances or investigations. Stage 2 subjects will be externally moderated to ensure that standards are maintained across the State.

All subjects in Stage 1 will have A-E grades and Stage 2 A+ to E- grades to show levels of achievement.

Please contact the school or the SACE Board (www.sace.sa.edu.au) for further information regarding the South Australian Certificate of Education.

SACE STAGE 1

SUBJECT OFFERINGS FOR 2019

SUBJECT SELECTION

SACE Stage 1 students study a combination of compulsory subjects and choice subjects. SACE Stage 1 students should take into account their future pathways through to SACE Stage 2 and beyond. Students will complete the SACE Stage 2 Research Project as part of their studies. Year 11's choose 8 semesters of Choice Subjects to be studied. Some subjects can be studied for a semester, however some subjects must be studied for a Full Year.

SACE STAGE 1 CURRICULUM

COMPULSORY SUBJECTS

English	Full Year
OR Essential English	Full Year
Mathematical Methods	Full Year
OR General Mathematics	Full Year or Semester
OR Essential Mathematics	Full Year or Semester
Research Project (SACE Stage 2)	1 Semester

CHOICE SUBJECTS

Agriculture and Horticulture A and B	Geography
Biology A and B	History (Ancient)
Chemistry A and B	History (Modern)
Community Studies	Information Processing and Publishing A and B
Creative Arts A and B	Material Solutions (Metal or Woodwork)
Design and Technology (Automotive focus)	Outdoor Education A and B
Digital Communication (Photography focus)	Physical Education A and B
English A and B	Physics A and B
Essential English A and B	Specialist Mathematics A and B
Essential Mathematics A and B	Visual Arts (Art focus) A and B
Food and Hospitality A and B	Visual Arts (Design focus) A and B
General Mathematics A and B	

AGRICULTURE AND HORTICULTURE A AND B

Contact: PHIL ROBERTS

Course Length	Full Year or 1 Semester	SACE Credits: 10 or 20
Description	Students analyse benefits and risks of different methods of agricultural production, and develop their awareness of how agriculture impacts on their lives, society, and the environment. They develop skills in critical thinking that inspire them to explore strategies and possible solutions to address challenges now and in the future, such as those related to the global food supply. They explore and understand agricultural science as a human endeavour, and are encouraged to pursue future pathways, including in agriculture, horticulture, land management, agricultural business practice, natural resource management, veterinary science, food and marine sciences, biosecurity, and quarantine.	
Recommended Background	Year 10 Agriculture is recommended but not compulsory.	
Additional Costs/Information	Appropriate clothing and footwear must be worn. Show Team uniform is a requirement for some students.	

BIOLOGY A AND B

Contact: DEREK SMITH

Course Length	Full Year or 1 Semester	SACE Credits: 10 or 20
Description	Science inquiry skills and science as a human endeavour are integral to students' learning in this subject and are interwoven through their science understanding. In their study of Biology, students extend their understanding of the nature of living things, as well as of the interactions of those living things with members of the same species, members of other species, and the environment. Students develop and extend their inquiry skills, including in designing and undertaking investigations, and collecting and analysing primary and secondary data. They interpret and evaluate data, and synthesise and use evidence to construct and justify conclusions.	
Recommended Background	Recommendation of Year 10 Science Teacher	
Additional Costs/Information	Nil	

CHEMISTRY

Contact: DEREK SMITH

Course Length	Full Year	SACE Credits: 20
Description	Science inquiry skills and science as a human endeavour are integral to students' learning in this subject and are interwoven through the science understanding. In their study of Chemistry, students develop and extend their understanding of some of the fundamental principles and concepts of chemistry, including structure, bonding, polarity, solubility, acid-base reactions, and redox. These are introduced in the individual topics, with the mole concept and some energy concepts introduced gradually throughout these topics. Students develop and extend their inquiry skills, including in designing and undertaking investigations, and collecting and analysing primary and secondary data. They interpret and evaluate data, and synthesise and use evidence to construct and justify conclusions.	
Recommended Background	Recommendation of Year 10 Science Teacher	
Additional Costs/Information	Nil	

COMMUNITY STUDIES

Contact: JENNI LUTZE

Course Length

1 Semester

SACE Credits: 10 or 20

Description

Students learn in a community context and interact with teachers, peers, and community members. They decide the focus of their community activity, which begins from a point of personal interest, skill, or knowledge. By setting challenging and achievable goals in their community activity, students enhance their skills and understandings in a guided and supported learning program. They develop their capability to work independently and to apply their skills and knowledge in practical ways in their community.

Recommended Background

Nil

Additional Costs/Information

CREATIVE ARTS A AND B

Contact: SHERYL SCHILLING

Course Length

Full Year or 1 Semester

SACE Credits: 10 or 20

Description

Students undertake a specialised study within or across one or more arts disciplines. They actively participate in the development and presentation of creative arts products. These may take the form of, for example, visual art, craft and design works, digital media, film and video, public arts projects, community presentations and installations. Students analyse and evaluate creative arts products in different contexts and from various perspectives, and gain an understanding and appreciation of the ways in which creative arts contribute to and shape the intellectual, social, and cultural life of individuals and communities.

Recommended Background

Nil

Additional Costs/Information

Some additional costs may be incurred depending upon materials used.

DESIGN AND TECHNOLOGY (AUTOMOTIVE FOCUS)

Contact: JARED WALLIS

Course Length

1 Semester

SACE Credits: 10

Description

Students will study the internal combustion engine and associated vehicle systems including the combustion process, components/configurations, electrical circuits, sustainability, impact on society and service and repair. Students will undertake investigations into the current automotive industry with the emphasis being on the internal combustion engine and the environment. They will also investigate future trends and alternative energy sources. Students will be able to discuss and investigate possible career paths within the automotive industry. Students will also develop and produce simple electrical circuit using circuit wizard.n

Recommended Background

Nil

Additional Costs/Information

Some additional costs may be incurred depending upon materials used. Closed in footwear is essential.

DIGITAL COMMUNICATION (PHOTOGRAPHY FOCUS)

Contact: SHERYL SCHILLING

Course Length

1 Semester

SACE Credits: 10

Description

Students work within the design criteria of investigating, planning, producing and evaluating to produce a photographic based communication product. Skills are gained in digital camera operation, Photoshop image enhancement, studio and lighting techniques. A design brief is devised to which the success of the product is evaluated against. The impact of photography and media on individuals and society is addressed in a written report.

Recommended Background

Year 10 Art/Design is recommended but not compulsory.

Additional Costs/Information

Nil

ENGLISH A AND B

Contact: STEPHANIE LEE

Course Length

Full Year

SACE Credits: 20

Description

This subject has an emphasis on responding to texts, creating texts, and intertextual study. Students critically and creatively engage with a variety of types of texts including novels, film, media, poetry, and drama texts. Stage 1 English articulates with the Stage 2 English subjects.

Recommended Background

Recommendation of Year 10 English Teacher

Additional Costs/Information

Nil

ESSENTIAL ENGLISH A AND B

Contact: STEPHANIE LEE

Course Length

Full Year

SACE Credits: 20

Description

Stage 1 Essential English is designed for a range of students, including those who are seeking to meet the SACE literacy requirement, students planning to pursue a career in a range of trades or vocational pathways, and those intending to continue their study of English at Stage 2. There is an emphasis on communication, comprehension, analysis, and text creation. This subject leads to Stage 2 Essential English, and may also lead to other Stage 2 English subjects.

Recommended Background

Recommendation of Year 10 English Teacher

Additional Costs/Information

Nil

ESSENTIAL MATHEMATICS A AND B

Contact: JACOB DAWSON

Course Length	Full Year or 1 Semester	SACE Credits: 10 or 20
Description	This subject is designed for a range of students, including those who are seeking to meet the SACE numeracy requirement, and those who are planning to pursue a career in a range of trades or vocational pathways. There is an emphasis on extending students' mathematical skills in ways that apply to practical problem-solving in everyday and workplace contexts, in flexible and resourceful ways. This subject leads to Stage 2 Essential Mathematics. Topics covered include: Calculations, time and ratio; earning and spending; geometry; data in context; measurement; investing.	
Recommended Background	Recommendation of Year 10 Maths Teacher	
Additional Costs/Information	A scientific calculator is required (approximately \$22).	

FOOD AND HOSPITALITY A AND B

Contact: ANGELA THORLEY

Course Length	Full Year or 1 Semester	SACE Credits: 10 or 20
Description	Students focus on the dynamic nature of the food and hospitality industry in Australian society. They develop an understanding of contemporary approaches and issues related to food and hospitality. Students work independently and collaboratively to achieve common goals. They develop skills and safe work practices in the preparation, storage and handling of food, complying with current health and safety legislation. Students investigate and debate contemporary food and hospitality issues and current management practices.	
Recommended Background	Year 10 Food Technology is recommended but not compulsory.	
Additional Costs/Information	Closed in footwear is essential. Some additional time outside of lessons may be required to complete practicals.	

GENERAL MATHEMATICS A AND B

Contact: JACOB DAWSON

Course Length	Full Year or 1 Semester	SACE Credits: 10 or 20
Description	General Mathematics extends students' mathematical skills in ways that apply to practical problem-solving. Successful completion of General Mathematics at Stage 2 prepares students for entry to tertiary courses requiring a non-specialised background in mathematics. Topics include: investing and borrowing; measurement; statistical investigation; applications of trigonometry; linear and exponential functions; matrices and networks.	
Recommended Background	Recommendation of Year 10 Maths Teacher	
Additional Costs/Information	A graphics calculator is strongly recommended (approximately \$180).	

GEOGRAPHY

Contact: TAMSIN MARTIN

Course Length

1 Semester

SACE Credits: 10

Description

Students develop their understanding and application of key geographical concepts, and of the interdependence of human and physical environments. They explore contemporary geographical issues, use local fieldwork opportunities, and examine geographical features, concepts, and issues through the use of a range of skills and techniques, including spatial technologies. Students think creatively about ways to tackle social, environmental and economic challenges in built environments and make recommendations to ensure sustainable outcomes in the future. They develop their intercultural understanding and empathy for communities and environments in locations that are vulnerable to hazards. Students develop ethical understanding as they investigate contemporary geographical issues at local and global scales.

Recommended Background

Recommendation of Year 10 HASS Teacher

Additional Costs/Information

Some additional costs may be incurred for field trips/excursions.

HISTORY (ANCIENT)

Contact: TAMSIN MARTIN

Course Length

1 Semester

SACE Credits: 10

Description

Students learn about the history, literature, society and culture of ancient civilisations, which may include Asia-Australia, the Americas, Europe and Western Asia, and the classical civilisations of Greece and Rome. They consider the environmental, social, economic, religious, cultural, and aesthetic aspects of societies.

Recommended Background

Recommendation of Year 10 HASS Teacher

Additional Costs/Information

Nil

HISTORY (MODERN)

Contact: TAMSIN MARTIN

Course Length

1 Semester

SACE Credits: 10

Description

In the study of Modern History at Stage 1, students explore changes within the world since 1750, examining developments and movements of significance, the ideas that inspired them, and their short- and long-term consequences on societies, systems, and individuals. They explore the impacts that these developments and movements had on people's ideas, perspectives, and circumstances. They investigate ways in which people, groups, and institutions challenge political structures, social organisation, and economic models to transform societies. Students build their skills in historical method through inquiry, by examining and evaluating the nature of sources, including who wrote or recorded them, whose history they tell, whose stories are not included and why, and how technology is creating new spaces in which histories can be conveyed. Students explore different interpretations, draw conclusions, and develop reasoned historical arguments.

Recommended Background

Recommendation of Year 10 HASS Teacher

Additional Costs/Information

Nil

INDUSTRY AND ENTREPRENEURIAL DESIGN SOLUTIONS

Contact: JARED WALLIS

Course Length

1 Semester

SACE Credits: 10

Description

This subject involves the designing of solutions to meet industry requirements or to invent an entrepreneurial product that meets a need or solves a problem. This could be achieved using design programs, such as computer aided design, to develop prototypes or products. Students demonstrate knowledge and skills associated with systems, processes and materials appropriate for the prototype and final solution.

Recommended Background

Year 10 Technology Studies

Additional Costs/Information

INFORMATION PROCESSING AND PUBLISHING

Contact: JARED WALLIS

Course Length

1 Semester

SACE Credits: 10 or 20

Description

Students apply practical skills to provide creative solutions to text-based communication tasks. They create both hard copy and electronic text-based publications, and evaluate the development process. Students use technology to design and implement information processing solutions, and identify, choose, and use the appropriate computer hardware and software to process, manage and communicate information in a range of contexts.

Recommended Background

Year 10 Digital Technology is recommended but not compulsory.

Additional Costs/Information

USB flash drive

MATERIAL SOLUTIONS (METAL OR WOODWORK FOCUS) Contact: JARED WALLIS

Course Length

1 Semester

SACE Credits: 10 or 20

Description

This subject involves the use of a diverse range of manufacturing technologies such as tools, machines, and/or systems to create a product using appropriate materials. Students produce outcomes that demonstrate the knowledge and skills associated with using systems, processes, and materials such as metals, plastics, wood and composites.

Recommended Background

Year 10 Technology Studies is recommended but not compulsory.

Additional Costs/Information

Some additional costs may be incurred depending upon materials used. Closed in footwear is essential.

MATHEMATICAL METHODS A AND B

Contact: JACOB DAWSON

Course Length	Full Year	SACE Credits: 20
Description	Mathematical Methods can lead to tertiary studies of, for example, economics, computer sciences, and the sciences. It prepares students for courses and careers that may involve the use of statistics, such as health or social sciences. Topics include: functions and graphs; polynomials; trigonometry; statistics; growth and decay; introduction to differential calculus.	
Recommended Background	Recommendation of Year 10 Maths Teacher	
Additional Costs/Information	A graphics calculator is required (approximately \$180).	

OUTDOOR EDUCATION A AND B

Contact: JENNI LUTZE

Course Length	Full Year or 1 Semester	SACE Credits: 10 or 20
Description	Students gain an understanding of ecology, environmental sustainability, cultural perspectives, and physical and emotional health through participating in outdoor activities. They learn to develop and apply risk and safety management skills and responsibility for themselves and other members of a group. Students reflect on environmental practices related to outdoor activities.	
Recommended Background	Nil	
Additional Costs/Information	Some additional costs will be incurred for camp and excursions depending upon topics selected.	

PHYSICAL EDUCATION A AND B

Contact: JENNI LUTZE

Course Length	Full Year or 1 Semester	SACE Credits: 10 or 20
Description	Students gain an understanding of human functioning and physical activity, and an awareness of the community structures and practices that influence participation in physical activity. Students explore their own physical capacities and analyse performance, health, and lifestyle issues. They develop skills in communication, investigation, and the ability to apply knowledge to practical situations.	
Recommended Background	Recommendation of Year 10 PE Teacher	
Additional Costs/Information	Some additional costs will be incurred for camp and excursions depending upon topics selected.	

PHYSICS A AND B

Contact: DEREK SMITH

Course Length

Full Year

SACE Credits: 20

Description

Science inquiry skills and science as a human endeavour are integral to students' learning in this subject and are interwoven through the science understanding. In their study of Physics, students extend their understanding of natural phenomena, from the subatomic world to the macrocosmos, and to make predictions about them, using qualitative and quantitative models, laws, and theories to better understand matter, forces, energy, and the interaction among them. By studying physics, students understand how new evidence can lead to the refinement of existing models and theories and to the development of different, more complex ideas, technologies, and innovations. Students develop and extend their inquiry skills, including in designing and undertaking investigations, and collecting and analysing primary and secondary data. They interpret and evaluate data, and synthesise and use evidence to construct and justify conclusions.

Recommended Background

Recommendation of Year 10 Science Teacher

Additional Costs/Information

Nil

SPECIALIST MATHEMATICS A AND B

Contact: JACOB DAWSON

Course Length

Full Year

SACE Credits: 20

Description

Specialist Mathematics can be a pathway to mathematical sciences, engineering, and physical sciences. Specialist Mathematics is designed to be studied in conjunction with Mathematical Methods. Topics include: sequences and series; geometry; vectors in the plane; further trigonometry; matrices; real and complex numbers.

Recommended Background

Recommendation of Year 10 Maths Teacher

Additional Costs/Information

A graphics calculator is required (approximately \$180).

VISUAL ARTS (ART FOCUS) A AND B

Contact: SHERYL SCHILLING

Course Length

Full Year or 1 Semester

SACE Credits: 10 or 20

Description

The broad area of Art encompasses both artistic and crafting methods and outcomes. The processes of creation in both art and craft include the initiation and development of ideas, research, analysis, exploration, experimentation with media and technique, through to the resolution and production of practical work. Visual Arts engages students in conceptual, practical, analytical, and contextual aspects of creative human endeavour. It emphasises visual thinking, investigation, the ability to develop ideas and concepts, refine technical skills, and produce imaginative solutions. The Visual Study, Folio and Practical are tailored to the skills and interests of the students.

Recommended Background

Year 10 Visual Art is recommended but not compulsory.

Additional Costs/Information

Some additional costs may be incurred depending upon materials used.

VISUAL ARTS (DESIGN FOCUS) A AND B

Contact: SHERYL SCHILLING

Course Length

Full Year or 1 Semester

SACE Credits: 10 or 20

Description

The broad area of Design encompasses communication and graphic design, environmental design, and product design. It emphasises a problem-solving approach to the generation of ideas or concepts, and the development of visual representation skills to communicate resolutions. Visual Arts engages students in conceptual, practical, analytical, and contextual aspects of creative human endeavour. It emphasises visual thinking, investigation, the ability to develop ideas and concepts, refine technical skills, and produce imaginative solutions.

Recommended Background

Year 10 Visual Art is recommended but not compulsory.

Additional Costs/Information

Some additional costs may be incurred depending upon materials used.

WORKPLACE PRACTICES

Contact: JARED WALLIS

Course Length

Full Year or 1 Semester

SACE Credits: 10 or 20

Description

Workplace Practices is a 10-credit subject or a 20-credit subject at Stage 1. It has three areas of study: industry and work knowledge; vocational learning; and VET. This subject is intended to complete students participating in apprenticeships or VET training.

Recommended Background

Nil

Additional Costs/Information

SACE STAGE 2

SUBJECT OFFERINGS FOR 2020

SUBJECT SELECTION

All SACE Stage 2 students study a selection of the subjects below.

Students who have successfully completed the required number of subjects at SACE Stage 1 will choose 4 subjects at SACE Stage 2. Most SACE Stage 2 subjects are studied for a full year.

SACE Stage 2 students should take into account their future pathways to tertiary education, further training, apprenticeship or the workforce.

SACE STAGE 2 CURRICULUM

Agriculture & Horticulture
Australian History
Biology
Chemistry
Community Studies
Creative Arts (Art)
Digital Communication (Photography)
English
Essential English
Essential Mathematics
Food and Hospitality
General Mathematics
Geography
Industry and Entrepreneurial Design Solutions
Information Processing and Publishing
Literary Studies
Material Solutions (Metalwork or Woodwork)
Mathematical Methods
Modern History
Physical Education
Physics
Specialist Mathematics
Sport & Recreation – Integrated Learning
Visual Arts – Art
Visual Arts – Design

AGRICULTURE & HORTICULTURE

Contact: PHIL ROBERTS

Course Length	Full Year	SACE Credits: 20
Description	This subject focuses on agribusiness and agricultural and horticultural enterprises. Students learn the ways in which primary goods are produced, processed, value-added, and marketed, what an enterprise looks like, and how businesses are structured and operate.	
Recommended Background	1 Semester of Stage 1 Agriculture & Horticulture	
Additional Costs/Information	Appropriate clothing and footwear must be worn. Show Team uniform is a requirement for some students.	

AUSTRALIAN HISTORY

Contact: TAMSIN MARTIN

Course Length	Full Year	SACE Credits: 20
Description	Students make sense of a complex and rapidly changing world by connecting past and present. Through the study of past events, actions, and phenomena students gain an insight into human nature and the ways in which individuals and societies function in Australia. Students research and review sources within a framework of inquiry and critical analysis.	
Recommended Background	1 Semester of Stage 1 History	
Additional Costs/Information	Nil	

BIOLOGY

Contact: DEREK SMITH

Course Length	Full Year	SACE Credits: 20
Description	Students learn about the cellular structures and functions of a range of organisms. They have the opportunity to engage with the work of biologists and to join and initiate debates about how biology impacts on their lives, society, and the environment. Students design, conduct, and gather evidence from their biological investigations. As they explore a range of relevant issues, students recognise that the body of biological knowledge is constantly changing and increasing through the application of new ideas and technologies.	
Recommended Background	1 Semester of Stage 1 Biology	
Additional Costs/Information	Study Guide (approximately \$25)	

CHEMISTRY

Contact: DEREK SMITH

Course Length

Full Year

SACE Credits: 20

Description

Students study the matter that makes up materials, and the properties, uses, means of production, and reactions of these materials. They undertake a critical study of the social and environmental impact of materials and chemical processes. Students consider how human beings make use of the earth's resources and the impact of human activities on the environment. They develop investigation skills, and an understanding of the physical world that enables them to be questioning, reflective, and critical thinkers.

Recommended Background

Full Year of Stage 1 Chemistry

Additional Costs/Information

Study Guide (approximately \$25)

COMMUNITY STUDIES

Contact: JENNI LUTZE

Course Length

Full Year

SACE Credits: 20

Description

Students learn in a community context and interact with teachers, peers, and community members. They decide the focus of their community activity, which begins from a point of personal interest, skill, or knowledge. By setting challenging and achievable goals in their community activity, students enhance their knowledge and understanding in a guided and supported learning program. They develop their capacity to work independently and to apply their skills and knowledge in practical ways in their community.

Recommended Background

Nil

Additional Costs/Information

CREATIVE ARTS (ART)

Contact: SHERYL SCHILLING

Course Length

Full Year

SACE Credits: 20

Description

This subject gives students the opportunity for specialised study within and across arts disciplines. They actively participate in the development and presentation of creative arts products. Students analyse and evaluate creative arts products in different contexts and from various perspectives. They gain an understanding and appreciation of the ways in which creative arts contribute to and shape the intellectual, social, and cultural life of individuals and communities.

Recommended Background

1 Semester of any Stage 1 Art

Additional Costs/Information

Some additional costs may be incurred depending upon materials used.

DIGITAL COMMUNICATION (PHOTOGRAPHY)**Contact:** SHERYL SCHILLING**Course Length**

Full Year

SACE Credits: 20**Description**

Students work within the design criteria of investigating, planning, producing and evaluating to design and produce a photographic based communication product. A high level of practical skill is gained in digital camera operation, studio, and lighting techniques. Photoshop software is extensively used to enhance images. Emphasis is placed on analysis of media and product design elements. These are investigated and a design brief is created for a final product. A folio of work documents this process.

Recommended Background

1 Semester of any Stage 1 Art

Additional Costs/Information

Nil

ENGLISH**Contact:** STEPHANIE LEE**Course Length**

Full Year

SACE Credits: 20**Description**

In English students analyse the interrelationship of author, text, and audience, with an emphasis on how language and stylistic features shape ideas and perspectives in a range of contexts. They consider social, cultural, economic, historical, and/or political perspectives in texts and their representation of human experience and the world. Students explore how the purpose of a text is achieved through application of text conventions and stylistic choices to position the audience to respond to ideas and perspectives. They have opportunities to reflect on their personal values and those of other people by responding to aesthetic and cultural aspects of texts from the contemporary world, from the past, and from Australian and other cultures. Students who complete this subject with a C– grade or better will meet the literacy requirement of the SACE.

Recommended Background

Successful completion of Stage 1 English

Additional Costs/Information

Nil

ESSENTIAL ENGLISH**Contact:** STEPHANIE LEE**Course Length**

Full Year

SACE Credits: 20**Description**

In this subject students respond to and create texts in and for a range of personal, social, cultural, community, and/or workplace contexts. Students understand and interpret information, ideas, and perspectives in texts and consider ways in which language choices are used to create meaning. Students who complete this subject with a C– grade or better will meet the literacy requirement of the SACE.

Recommended Background

Nil

Additional Costs/Information

Nil

ESSENTIAL MATHEMATICS

Contact: JACOB DAWSON

Course Length	Full Year	SACE Credits: 20
Description	Essential Mathematics offers senior secondary students the opportunity to extend their mathematical skills in ways that apply to practical problem-solving in everyday and workplace contexts. Students apply their mathematics to diverse settings, with an emphasis on students developing their computational skills and expanding their ability to apply their mathematical skills in flexible and resourceful ways. This subject is valuable for students planning to pursue a career in a range of trades or vocations. Topics include: scales, plans and models; measurement; business applications; statistics; investments and loans.	
Recommended Background	Full Year of Stage 1 Essential Mathematics	
Additional Costs/Information	A graphics calculator is recommended (approximately \$180)	

FOOD AND HOSPITALITY

Contact: ANGELA THORLEY

Course Length	Full Year	SACE Credits: 20
Description	Students develop an understanding of contemporary approaches and issues related to food and hospitality. They work independently and collaboratively to achieve common goals. Students develop skills and safe work practices in the preparation, storage and handling of food, complying with current health and safety legislation. They investigate and debate contemporary issues in the food and hospitality industry and current management practices.	
Recommended Background	1 Semester of Stage 1 Food and Hospitality	
Additional Costs/Information	Closed in footwear is essential. Some additional time outside of lessons may be required to complete practicals.	

GENERAL MATHEMATICS

Contact: JACOB DAWSON

Course Length	Full Year	SACE Credits: 20
Description	General Mathematics extends students' mathematical skills in ways that apply to practical problem-solving. A problem-based approach is integral to the development of mathematical models and the associated key concepts. Successful completion of General Mathematics at Stage 2 prepares students for entry to tertiary courses requiring a non-specialised background in mathematics. Topics include: modelling with linear relationships; modelling with matrices; statistical models; financial models; discrete models.	
Recommended Background	Full Year of Stage 1 General Mathematics	
Additional Costs/Information	A graphics calculator is essential (approximately \$180). Study Guide for exam revision (approximately \$25)	

GEOGRAPHY

Contact: TAMSIN MARTIN

Course Length	Full Year	SACE Credits: 20
Description	Students learn about environmental phenomena and human activities as diverse as natural hazards, landforms, tourism, economic development, agriculture, and urban planning. They develop an understanding of the spatial interrelationships of people, places, and environments, and of the opportunities and challenges for, and constraints on, such interactions. Students identify patterns and trends, acquiring and critically analysing field and other data using range of field and spatial technology skills.	
Recommended Background	1 Semester of Stage 1 Geography	
Additional Costs/Information	Some additional costs may be incurred for field trips/excursions.	

INDUSTRY AND ENTREPRENEURIAL DESIGN SOLUTIONS

Contact: JARED WALLIS

Course Length	Full Year	SACE Credits: 20
Description	This subject involves the designing of solutions to meet industry requirements or to invent an entrepreneurial product that meets a need or solves a problem. This could be achieved using design programs, such as computer aided design, to develop prototypes or products. Students demonstrate knowledge and skills associated with systems, processes and materials appropriate for the prototype and final solution.	
Recommended Background	1 Semester of any Stage 1 Tech Studies	
Additional Costs/Information	Some additional costs may be incurred depending upon materials used. Closed in footwear is essential.	

INFORMATION PROCESSING AND PUBLISHING

Contact: JARED WALLIS

Course Length	Full Year	SACE Credits: 20
Description	Students apply practical skills and design principles to provide creative solutions to text-based communication tasks. They create both hard copy and electronic text-based publications, and evaluate the development process. Students use technology to design and implement information processing solutions, and identify, choose, and use the appropriate computer hardware and software to process, manage and communicate information in a range of contexts.	
Recommended Background	1 Semester of Stage 1 Information Processing and Publishing	
Additional Costs/Information	USB flash drive	

LITERARY STUDIES**Contact:** STEPHANIE LEE

Course Length	Full Year	SACE Credits: 20
Description	English Literary Studies focuses on ways in which literary texts represent culture and identity, on the dynamic relationship between authors, texts, audiences, and contexts, and on the skills and strategies of critical thinking needed to interpret texts. Through shared and individual study of texts, students encounter different opinions about texts, have opportunities to exchange and develop ideas, find evidence to support a personal view, learn to construct logical and convincing arguments, and consider a range of critical interpretations of texts. Students develop an understanding of the power of language to represent ideas, events, and people in particular ways and of how texts challenge or support cultural perceptions. Students who complete this subject with a C– grade or better will meet the literacy requirement of the SACE.	
Recommended Background	Successful completion of Stage 1 English AND recommendation of English Teacher	
Additional Costs/Information	Nil	

MATERIAL SOLUTIONS (METALWORK OR WOODWORK)**Contact:** JARED WALLIS

Course Length	Full Year	SACE Credits: 20
Description	This subject involves the use of a diverse range of manufacturing technologies such as tools, machines, and/or systems to create a product using appropriate materials. Students produce outcomes that demonstrate the knowledge and skills associated with using systems, processes, and materials such as metals, plastics, wood and composites.	
Recommended Background	1 Semester of any Stage 1 Tech Studies	
Additional Costs/Information	Some additional costs may be incurred depending upon materials used. Closed in footwear is essential.	

MATHEMATICAL METHODS**Contact:** JACOB DAWSON

Course Length	Full Year	SACE Credits: 20
Description	Mathematical Methods further extends students' mathematical knowledge, skills, and understanding, and includes the study of calculus and statistics. Mathematical Methods provides the foundation for further study in mathematics, economics, computer sciences, the sciences, and careers that may involve the use of statistics, such as health or social sciences. When studied together with Specialist Mathematics, this subject can be a pathway to engineering, physical science, and laser physics. Topics include: further differentiation and applications; discrete random variables; integral calculus; logarithmic functions; continuous random variables and the normal distribution; sampling and confidence intervals.	
Recommended Background	Full Year of Stage 1 Mathematical Methods	
Additional Costs/Information	A graphics calculator is essential (approximately \$180). Study Guide for exam revision (approximately \$25)	

MODERN HISTORY

Contact: TAMSIN MARTIN

Course Length Full Year **SACE Credits:** 20

Description Students research and review sources within a framework of inquiry and critical analysis, and make sense of a complex and rapidly changing world by connecting past and present. Through the study of past events, actions, and phenomena since c.1500 students gain an insight into human nature and the ways in which individuals and societies function.

Recommended Background 1 Semester of Stage 1 History

Additional Costs/Information Nil

PHYSICAL EDUCATION

Contact: JENNI LUTZE

Course Length Full Year **SACE Credits:** 20

Description Students gain an understanding of human functioning and physical activity, and an awareness of the community structures and practices that influence participation in physical activity. They explore their own physical capacities and analyse performance, health, and lifestyle issues. Students develop skills in communication, investigation, and the ability to apply knowledge to practical situations.

Recommended Background 1 Semester of Stage 1 Physical Education

Additional Costs/Information Some additional costs will be incurred for camp and excursions depending upon topics selected.

PHYSICS

Contact: DEREK SMITH

Course Length Full Year **SACE Credits:** 20

Description This subject requires the interpretation of physical phenomena through a study of motion in two dimensions, electricity and magnetism, light and matter, and atoms and nuclei. Students apply knowledge to solve problems, develop experimental and investigation design skills, and communicate through practical and other learning activities. They gather evidence from experiments, and research and acquire new knowledge through their own investigations.

Recommended Background Full Year of Stage 1 Physics

Additional Costs/Information Study Guide (approximately \$25)

SPECIALIST MATHEMATICS

Contact: JACOB DAWSON

Course Length	Full Year	SACE Credits: 20
Description	Specialist Mathematics draws on and deepens students' mathematical knowledge, skills, and understanding, and provides opportunities for students to develop their skills in using rigorous mathematical arguments and proofs, and using mathematical models. It includes the study of functions and calculus. The subject leads to study in a range of tertiary courses such as mathematical sciences, engineering, computer science, and physical sciences. Specialist Mathematics is designed to be studied in conjunction with Mathematical Methods. Topics include: mathematical induction; complex numbers; functions and sketching graphs; vectors in three dimensions; integration techniques and applications; rates of change and differential equations.	
Recommended Background	Full Year of Stage 1 Specialist Mathematics	
Additional Costs/Information	A graphics calculator is essential (approximately \$180). Study Guide for exam revision (approximately \$25)	

SPORT & RECREATION – INTEGRATED LEARNING

Contact: JENNI LUTZE

Course Length	Full Year	SACE Credits: 20
Description	Please speak with the contact teacher for information regarding this subject.	
Recommended Background	Nil	
Additional Costs/Information	Some additional costs will be incurred for camp and excursions depending upon topics selected.	

VISUAL ARTS – ART

Contact: SHERYL SCHILLING

Course Length	Full Year	SACE Credits: 20
Description	Students research, analyse, explore and experiment with media and technique, and resolve and produce practical work. They use visual thinking and investigation to develop ideas and concepts, refine technical skills, and produce imaginative solutions. Students learn to communicate personal ideas, beliefs, values, thoughts, feelings, concepts and opinions, and provide observations of their lived or imagined experiences in visual form. The Visual Study, Folio and Practical are student driven and based on students' own interests and art skills.	
Recommended Background	1 Semester of any Stage 1 Art	
Additional Costs/Information	Some additional costs may be incurred depending upon materials used.	

VISUAL ARTS – DESIGN

Contact: SHERYL SCHILLING

Course Length

Full Year

SACE Credits: 20

Description

Students research, analyse, explore and experiment with media and technique, and resolve and produce practical work. They use visual thinking and investigation to develop ideas and concepts, refine technical skills, and produce imaginative solutions. Students learn to communicate personal ideas, beliefs, values, thoughts, feelings, concepts and opinions, and provide observations of their lived or imagined experiences in visual form.

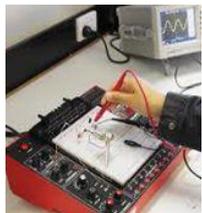
Recommended Background

1 Semester of any Stage 1 Art

Additional Costs/Information

Some additional costs may be incurred depending upon materials used.

LOWER MURRAY TRADE TRAINING CENTRE – Career Pathways through VET



Electro technology

Electro-technology is for students wanting to begin a pathway in the electrical or electronics industries.

The course provides opportunities for students to understand electrical and electronic trade terminology.

Pathways - Data Cabling, Technician, Electronics, Technician Refrigeration Technician Renewable Energy Installer, Electrical Linesperson Telecommunications Engineer

Doorways to Construction

The focus is on providing hands on practical experience in the trade areas of carpentry, concreting, tiling, painting and decorating, joinery, plastering, gyp rocking, bricklaying and demolition. *Pathways – Carpenter, Bricklayer, Tiler, Solid Plasterer, General Builder, Building Contractor; Pathways - Civil Engineer, Heavy Machinery*

Automotive Pathways



This course is designed to improve student's chances of becoming registered as an apprentice by an employer and progressing towards becoming a fully qualified tradesperson in automotive mechanical light vehicle, diesel, auto electrical, outdoor power equipment and motor cycle trades.

Pathways - Automotive Servicing technician , Diesel Mechanic, Panel Beater, Spray Painter, Parts

Interpreter

Engineering - Metal Fabrication

A career in engineering; Students undertake training in oxy-acetylene, arc and mig welding as well as thermal cutting.

Pathways - Engineering Tradesperson, Fabrication, Boilermaker, Sheet Metal Worker, Blacksmith, Motor Vehicle Manufacture, Mining Industries, Jeweler

Individual Support – Pathways into Aged Care /Nursing - Disability Studies



Aged Care and Support Organisations for People with Disabilities support the training in this course and offer Work Placement opportunities. Students are able to complete a full Certificate 3 in Aged Care or Disability Studies. Over 12 to 18 months.

Pathways: Aged Care Worker, Personal Care Worker, Disability Care Worker, Enrolled and Registered Nursing.

Early Childhood Education and Care



Certificate III in Early Childhood Education and Care can be completed over 18months. This course will give you a taste of the Child Care Industry and develop a range of skills that will assist you in both the workplace and to relate to children in everyday life.

Pathways: Child Care Worker, Early Childhood Educator, Out of

School Services Worker, Child Care Director



Animal Studies

The course is intended for initial entry into to the Animal Industry. The course content is a mixture of theory and practical application including; preparing for work in the animal industry, basic animal behavior, basic animal health and nutrition, **Certificate II and III available** on line and face to face.



Pathways Veterinary Nurse, Animal Attendant, Zookeeper, Animal Shelter Worker Veterinary Surgeon, Animal Technician

Kitchen Operations – Cert II

This course is suited to students who would like to become a Chef.



Pathways - Chef, Kitchen Hand, Cook Attendant, Food and Beverage Attendant, Kitchens, Cafes, Function Centres



Hospitality (Restaurant Operations)

Suited to students who would like to become Front of House Waiters.

Pathways - Cafes / Restaurants / Function Centre

Hair and Beauty Industry

If you have decided hairdressing or barbering is the career for you, this is your training pathway. Students can choose between hairdressing specific subjects or you can incorporate some skincare and make-up and follow the Beauty pathway.



Fitness Instructor / Sport & Recreation



This qualification reflects the role of instructors who perform a range of activities and functions within the fitness industry.

Screen and Media – 3D Animation and Game Development Game programming



The Game Art Foundations courses will teach students how to develop 3D environments, characters and animations for interactive games. Game art development is being adapted into traditional areas such as architecture, product design and film making.

Micro Business

During this 'Taster Session' students will discover the secrets to business success according to Steve Jobs, understand why creative thinking skills are important in business and learn more about each of the building blocks of the program and what to expect from the 15 week Cert III Course.



All courses have a student cost which covers uniform, material, consumables, administration and varies from course to course. The Website has details. Students selecting to enrol in VET subjects need to have parent agreement for the costs signed before enrolment will be processed.