



# Coomandook Area School

"Striving To Make The Difference"

## **CURRICULUM PROSPECTUS**

**2021**

**Year 7 – 12**

**Respect, Honesty, Persistence**



**Government of South Australia**  
Department for Education

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## 2021 Coomandook Area School Curriculum

Year 7	Year 8	Year 9	Year 10	Year 11	Year 12
<b>ENGLISH</b>					
English	English	English	English	English Literary Studies	English Literary Studies
<b>MATHEMATICS</b>					
Mathematics	Mathematics	Mathematics	Mathematics Mathematics Extension	Mathematics General Mathematics Specialist Mathematics	Mathematics General Mathematics Specialist Mathematics
<b>SCIENCE</b>					
Science Agriculture	Science Agriculture	Science Agriculture	Science Agriculture (VET)	Biology Chemistry Physics Agriculture (SACE) Agriculture (VET)	Biology Chemistry Physics Agriculture Production (SACE) Agriculture (VET)
<b>HEALTH AND PHYSICAL EDUCATION</b>					
Health and Physical Education	Health and Physical Education	Health and Physical Education	Health and Physical Education	Outdoor Education	Outdoor Education
<b>HUMANITIES AND SOCIAL SCIENCES</b>					
Humanities and Social Studies	Humanities and Social Studies	Humanities and Social Studies	Humanities and Social Studies	Modern History	Modern History
<b>THE ARTS</b>					
Visual Art	Visual Art	Visual Art	Visual Art	Creative / Visual Arts	Creative / Visual Arts
Drama	Drama	Drama	Drama	Photography	Photography
Music	Music	Music	Music		
<b>TECHNOLOGIES</b>					
Design and Technology	Design and Technology	Design and Technology	Design and Technology	Design and Technology - Furniture Construction - Metal Engineering - Automotive Food and Hospitality Child Studies	Design and Technology - Furniture Construction - Metal Engineering - Automotive Food and Hospitality Child Studies
Digital Technology	Digital Technology	Digital Technology	Digital Technology		
Home Economics	Home Economics	Home Economics	Home Economics		
<b>CROSS DISCIPLINARY STUDIES</b>					
			Personal Learning Plan (PLP) *Stage 1	Research Project Community Studies	Workplace Practices

# YEAR 7 & 8

## SUBJECT OFFERINGS FOR 2021

### SUBJECT SELECTION

All Year 7 & 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 experiential subjects for 1 semester to enable students a taste of all areas before selecting subjects from Year 9 onwards.

### YEAR 7 & 8 CURRICULUM

#### COMPULSORY SUBJECTS – FULL YEAR

English

HASS

Mathematics

Physical Education and Health

Science

#### EXPERIENTIAL SUBJECTS – 1 SEMESTER (OR EQUIVALENT)

Agriculture

Design and Technology

Drama & Music

Home Economics

Visual Art

## AGRICULTURE

**Contact:** PHIL ROBERTS

<b>Course Length</b>	1 Semester
<b>Description</b>	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.
<b>Recommended Background</b>	Nil
<b>Additional Costs/Information</b>	Appropriate clothing and footwear must be worn. Show Team uniform is a requirement for some students.

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## DESIGN AND TECHNOLOGY

**Contact:** JARED WALLIS

<b>Course Length</b>	1 Semester
<b>Description</b>	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.
<b>Recommended Background</b>	Nil
<b>Additional Costs/Information</b>	Some additional costs may be incurred depending upon materials used. Closed in footwear is essential.

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## DRAMA & MUSIC

**Contact:** TAMSIN MARTIN

<b>Course Length</b>	1 Semester
<b>Description</b>	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 (music and drama) enable students to learn how to create, design, represent, communicate and share their imagined and conceptual ideas, emotions, observations and experiences.
<b>Recommended Background</b>	Nil
<b>Additional Costs/Information</b>	Nil

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## 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

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## 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

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## 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.

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## MATHEMATICS

Contact: JACOB DAWSON

<b>Course Length</b>	Full Year
<b>Description</b>	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.
<b>Recommended Background</b>	Nil
<b>Additional Costs/Information</b>	A scientific calculator is required (approximately \$26).

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## PHYSICAL EDUCATION AND HEALTH

Contact: DARRYL HEWITT

<b>Course Length</b>	Full Year
<b>Description</b>	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.
<b>Recommended Background</b>	Nil
<b>Additional Costs/Information</b>	All students are required to have a change of clothes for practical lessons. Participation in USE sports events is expected.

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## SCIENCE

Contact: JACOB DAWSON

**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

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## VISUAL ART

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

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# YEAR 9

## SUBJECT OFFERINGS FOR 2021

### 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

Design and Technology

Drama & Music

Home Economics

Visual Art

## AGRICULTURE

**Contact:** PHIL ROBERTS

<b>Course Length</b>	1 Semester
<b>Description</b>	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.
<b>Recommended Background</b>	Nil. Students with a history of unsafe practical performance will be ineligible for this subject without approval of the Agriculture Teacher.
<b>Additional Costs/Information</b>	Appropriate clothing and footwear must be worn. Show Team uniform is a requirement for some students.

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## HOME ECONOMICS

**Contact:** ANGELA THORLEY

<b>Course Length</b>	1 Semester
<b>Description</b>	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
<b>Recommended Background</b>	Nil
<b>Additional Costs/Information</b>	Closed in footwear is essential with long hair being tied up or put up under a cap.

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## DESIGN AND TECHNOLOGY

**Contact:** JARED WALLIS

<b>Course Length</b>	1 Semester
<b>Description</b>	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.
<b>Recommended Background</b>	Nil. Students with a history of unsafe practical performance will be ineligible for this subject without approval of the Technology Studies Teacher.
<b>Additional Costs/Information</b>	Some additional costs may be incurred depending upon materials used. Closed in footwear is essential.

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## 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

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## DRAMA & MUSIC

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 two subjects (music and drama) 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

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## 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

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## MATHEMATICS

**Contact:** JACOB DAWSON

<b>Course Length</b>	Full Year
<b>Description</b>	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.
<b>Recommended Background</b>	Year 8 Mathematics
<b>Additional Costs/Information</b>	A scientific calculator is required (approximately \$26).

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## PHYSICAL EDUCATION AND HEALTH

**Contact:** DARRYL HEWITT

<b>Course Length</b>	Full Year
<b>Description</b>	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.
<b>Recommended Background</b>	Nil
<b>Additional Costs/Information</b>	All students are required to have a change of clothes for practical lessons. Participation in USE sports events is expected.

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## SCIENCE

**Contact:** JACOB DAWSON

<b>Course Length</b>	Full Year
<b>Description</b>	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.
<b>Recommended Background</b>	Year 8 Science
<b>Additional Costs/Information</b>	Nil

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## VISUAL ART

**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

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# YEAR 10

## SUBJECT OFFERINGS FOR 2021

### 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  
HASS  
Physical Education and Health  
Science

#### COMPULSORY SUBJECTS – 1 SEMESTER (OR EQUIVALENT)

Personal Learning Plan – SACE Stage 1

#### CHOICE SUBJECTS – 1 SEMESTER

Agriculture A & B (*Full Year only due to VET requirements*)\*  
Design and Technology  
Drama & Music  
Home Economics  
Maths Extension  
Visual Art

*\*Students selecting Agriculture must include both A and B on their selection form.*

## AGRICULTURE A AND B

**Contact:** PHIL ROBERTS

<b>Course Length</b>	Full Year
<b>Description</b>	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.
<b>Recommended Background</b>	Nil. Students with a history of unsafe practical performance will be ineligible for this subject without approval of the Agriculture Teacher.
<b>Additional Costs/Information</b>	Appropriate clothing and footwear must be worn. Show Team uniform is a requirement for some students.

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## DESIGN AND TECHNOLOGY

**Contact:** JARED WALLIS

<b>Course Length</b>	1 Semester
<b>Description</b>	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.
<b>Recommended Background</b>	Nil. Students with a history of unsafe practical performance will be ineligible for this subject without approval of the Technology Studies Teacher.
<b>Additional Costs/Information</b>	Some additional costs may be incurred depending upon materials used. Closed in footwear is essential.

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## DRAMA & MUSIC

**Contact:** TAMSIN MARTIN

<b>Course Length</b>	1 Semester
<b>Description</b>	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 (music and drama) enable students to learn how to create, design, represent, communicate and share their imagined and conceptual ideas, emotions, observations and experiences.
<b>Recommended Background</b>	Nil
<b>Additional Costs/Information</b>	Nil

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## ENGLISH

**Contact:** STEPHANIE LEE

<b>Course Length</b>	Full Year
<b>Description</b>	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.
<b>Recommended Background</b>	Year 9 English
<b>Additional Costs/Information</b>	Nil

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## HASS

**Contact:** TAMSIN MARTIN

<b>Course Length</b>	Full Year
<b>Description</b>	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.
<b>Recommended Background</b>	Nil
<b>Additional Costs/Information</b>	Some additional costs may be incurred for field trips/excursions.

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## HOME ECONOMICS

**Contact:** ANGELA THORLEY

<b>Course Length</b>	1 Semester
<b>Description</b>	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.
<b>Recommended Background</b>	Nil
<b>Additional Costs/Information</b>	Closed in footwear is essential with long hair being tied up or put up under a cap.

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## MATHEMATICS

**Contact:** JACOB DAWSON

<b>Course Length</b>	Full Year
<b>Description</b>	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.
<b>Recommended Background</b>	Year 9 Mathematics
<b>Additional Costs/Information</b>	A scientific calculator is required (approximately \$26).

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## MATHS EXTENSION

**Contact:** JACOB DAWSON

<b>Course Length</b>	1 Semester
<b>Description</b>	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.
<b>Recommended Background</b>	Year 9 Mathematics with B grade or better and recommendation of Year 9 Maths Teacher.
<b>Additional Costs/Information</b>	Nil. However purchase of a graphics calculator (approximately \$180) and access to a laptop is recommended.

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## PERSONAL LEARNING PLAN

**Contact:** DARRYL HEWITT

<b>Course Length</b>	1 Semester (or equivalent)
<b>Description</b>	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.
<b>Recommended Background</b>	Nil
<b>Additional Costs/Information</b>	Stage 1 compulsory subject. Students must achieve a C grade or better to gain their SACE.

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## PHYSICAL EDUCATION AND HEALTH

**Contact:** DARRYL HEWITT

<b>Course Length</b>	Full Year
<b>Description</b>	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.
<b>Recommended Background</b>	Nil
<b>Additional Costs/Information</b>	All students are required to have a change of clothes for practical lessons. Participation in USE sports events is expected.

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## SCIENCE

**Contact:** JACOB DAWSON

<b>Course Length</b>	Full Year
<b>Description</b>	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.
<b>Recommended Background</b>	Year 9 Science
<b>Additional Costs/Information</b>	Nil

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## VISUAL ART

**Contact:** SHERYL SCHILLING

<b>Course Length</b>	1 Semester
<b>Description</b>	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.
<b>Recommended Background</b>	Nil. However Year 9 Visual Art/Design is beneficial.
<b>Additional Costs/Information</b>	Nil

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# 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](http://www.sace.sa.edu.au)) for further information regarding the South Australian Certificate of Education.

# SACE STAGE 1

## SUBJECT OFFERINGS FOR 2021

### 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. Most 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
<b>OR</b> Literary Studies	Full Year
Mathematical Methods A & B	Full Year
<b>OR</b> General Mathematics A & B	Full Year or Semester
Research Project (SACE Stage 2)	1 Semester

#### CHOICE SUBJECTS

Agriculture (*Full Year only*)  
Biology A and B  
Chemistry (*Full Year only*)  
Child Studies  
Community Studies  
Creative Arts/Visual Arts  
Design and Technology (Automotive focus)  
Digital Communication (Photography focus)  
Food and Hospitality  
History (Modern)  
Material Solutions (Furniture Construction or Metal Engineering)  
Outdoor Education  
Physics (*Full Year only*)  
Specialist Mathematics (*Full Year only*)

## AGRICULTURE

**Contact:** PHIL ROBERTS

**Course Length**

Full Year

**SACE Credits:** 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

**Additional Costs/Information**

Appropriate clothing and footwear must be worn. Show Team uniform is a requirement for some students.

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## BIOLOGY A AND B

**Contact:** JACOB DAWSON

**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**

Year 10 Science

**Additional Costs/Information**

Nil

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## CHEMISTRY

**Contact:** JACOB DAWSON

**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**

Year 10 Science

**Additional Costs/Information**

Nil

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## CHILD STUDIES

**Contact:** ANGELA THORLEY

**Course Length**

1 Semester

**SACE Credits:** 10

**Description**

Child Studies focuses on children and their development from conception to 8 years. Students have the opportunity to develop knowledge and understanding of young children through individual, collaborative, and practical learning. They explore concepts such as the development, needs, and rights of children, the value of play, concepts of childhood and families, and the roles of parents and caregivers. They also consider the importance of behaviour management, child nutrition, and the health and well-being of children.

**Recommended Background**

Nil

**Additional Costs/Information**

Nil

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## COMMUNITY STUDIES

**Contact:** JARED WALLIS

**Course Length**

1 Semester

**SACE Credits:** 10

**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**

Nil

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## CREATIVE ARTS / VISUAL ARTS

**Contact:** SHERYL SCHILLING

**Course Length**

1 Semester

**SACE Credits:** 10

**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**

Year 10 Visual Art is recommended but not compulsory.

**Additional Costs/Information**

Some additional costs may be incurred depending upon materials used.

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## DESIGN AND TECHNOLOGY (AUTOMOTIVE FOCUS)

Contact: JARED WALLIS

<b>Course Length</b>	1 Semester	<b>SACE Credits: 10</b>
<b>Description</b>	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	
<b>Recommended Background</b>	Nil	
<b>Additional Costs/Information</b>	Some additional costs may be incurred depending upon materials used. Closed in footwear is essential.	

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## DIGITAL COMMUNICATION (PHOTOGRAPHY FOCUS)

Contact: SHERYL SCHILLING

<b>Course Length</b>	1 Semester	<b>SACE Credits: 10</b>
<b>Description</b>	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.	
<b>Recommended Background</b>	Year 10 Visual Art is recommended but not compulsory.	
<b>Additional Costs/Information</b>	Nil	

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## ENGLISH

Contact: STEPHANIE LEE

<b>Course Length</b>	Full Year	<b>SACE Credits: 20</b>
<b>Description</b>	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.	
<b>Recommended Background</b>	Recommendation of Year 10 English Teacher	
<b>Additional Costs/Information</b>	Nil	

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## FOOD AND HOSPITALITY

Contact: ANGELA THORLEY

<b>Course Length</b>	1 Semester	<b>SACE Credits:</b> 10 or 20
<b>Description</b>	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.	
<b>Recommended Background</b>	Year 10 Food Technology is recommended but not compulsory.	
<b>Additional Costs/Information</b>	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

<b>Course Length</b>	Full Year or 1 Semester	<b>SACE Credits:</b> 10 or 20
<b>Description</b>	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.	
<b>Recommended Background</b>	Completion of Year 10 Maths	
<b>Additional Costs/Information</b>	A graphics calculator is strongly recommended (approximately \$180).	

## HISTORY (MODERN)

Contact: TAMSIN MARTIN

<b>Course Length</b>	1 Semester	<b>SACE Credits:</b> 10
<b>Description</b>	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.	
<b>Recommended Background</b>	Recommendation of Year 10 HASS Teacher	
<b>Additional Costs/Information</b>	Nil	



## LITERARY STUDIES

**Contact:** STEPHANIE LEE

<b>Course Length</b>	Full Year	<b>SACE Credits:</b> 20
<b>Description</b>	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.	
<b>Recommended Background</b>	Recommendation of Year 10 English Teacher	
<b>Additional Costs/Information</b>	Nil	

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

<b>Course Length</b>	1 Semester	<b>SACE Credits:</b> 10 or 20
<b>Description</b>	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.	
<b>Recommended Background</b>	Year 10 Technology Studies is recommended but not compulsory.	
<b>Additional Costs/Information</b>	Some additional costs may be incurred depending upon materials used. Closed in footwear is essential.	

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## MATHEMATICAL METHODS A AND B

**Contact:** JACOB DAWSON

<b>Course Length</b>	Full Year	<b>SACE Credits:</b> 20
<b>Description</b>	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.	
<b>Recommended Background</b>	Completion of Year 10 Mathematics to a B grade or higher.	
<b>Additional Costs/Information</b>	A graphics calculator is required (approximately \$180).	

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## OUTDOOR EDUCATION A AND B

**Contact:** DARRYL HEWITT

<b>Course Length</b>	Full Year or 1 Semester	<b>SACE Credits:</b> 10 or 20
<b>Description</b>	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.	
<b>Recommended Background</b>	Nil	
<b>Additional Costs/Information</b>	Some additional costs will be incurred for camp and excursions depending upon topics selected.	

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## PHYSICS A AND B

Contact: JACOB DAWSON

**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

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## 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**

Completion of Year 10 Mathematics to an A grade or successful completion of Year 10 Extension Mathematics.

**Additional Costs/Information**

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

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# SACE STAGE 2

## SUBJECT OFFERINGS FOR 2021

### 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  
Biology  
Chemistry  
Child Studies  
Creative Arts / Visual Arts  
Digital Communication (Photography)  
English  
Food and Hospitality  
General Mathematics  
History (Modern)  
Literary Studies  
Material Solutions (Metalwork or Woodwork)  
Mathematical Methods  
Outdoor Education  
Physics  
Specialist Mathematics  
Workplace Practices

## AGRICULTURE

**Contact:** PHIL ROBERTS

<b>Course Length</b>	Full Year	<b>SACE Credits:</b> 20
<b>Description</b>	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.	
<b>Recommended Background</b>	Stage 1 Agriculture	
<b>Additional Costs/Information</b>	Appropriate clothing and footwear must be worn. Show Team uniform is a requirement for some students.	

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## BIOLOGY

**Contact:** JACOB DAWSON

<b>Course Length</b>	Full Year	<b>SACE Credits:</b> 20
<b>Description</b>	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.	
<b>Recommended Background</b>	1 Semester of Stage 1 Biology	
<b>Additional Costs/Information</b>	Study Guide (approximately \$30)	

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## CHEMISTRY

**Contact:** JACOB DAWSON

<b>Course Length</b>	Full Year	<b>SACE Credits:</b> 20
<b>Description</b>	Students develop and extend their understanding of how the physical world is chemically constructed, the interaction between human activities and the environment, and the use that human beings make of the planet's resources. The study of Chemistry helps students to make informed decisions about interacting with and modifying nature, and explore options such as green or sustainable chemistry, which seeks to reduce the environmental impact of chemical products and processes. Students integrate and apply a range of understanding, inquiry, and scientific thinking skills that encourage and inspire them to contribute their own solutions to current and future problems and challenges, and pursue future pathways, including in medical or pharmaceutical research, pharmacy, chemical engineering, and innovative product design. Topics include: monitoring the environment; managing chemical processes; organic and biological chemistry; and managing resources.	
<b>Recommended Background</b>	Full Year of Stage 1 Chemistry	
<b>Additional Costs/Information</b>	Study Guide (approximately \$30)	

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## CHILD STUDIES

**Contact:** ANGELA THORLEY

<b>Course Length</b>	Full Year	<b>SACE Credits:</b> 20
<b>Description</b>	Child Studies focuses on children and their development from conception to 8 years. Students have the opportunity to develop knowledge and understanding of young children through individual, collaborative, and practical learning. They explore concepts such as the development, needs, and rights of children, the value of play, concepts of childhood and families, and the roles of parents and caregivers. They also consider the importance of behaviour management, child nutrition, and the health and well-being of children.	
<b>Recommended Background</b>	Nil	
<b>Additional Costs/Information</b>	Nil	

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## CREATIVE ARTS/VISUAL ARTS

**Contact:** SHERYL SCHILLING

<b>Course Length</b>	Full Year	<b>SACE Credits:</b> 20
<b>Description</b>	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.	
<b>Recommended Background</b>	1 Semester of any Stage 1 Art	
<b>Additional Costs/Information</b>	Some additional costs may be incurred depending upon materials used.	

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## DIGITAL COMMUNICATION (PHOTOGRAPHY)

**Contact:** SHERYL SCHILLING

<b>Course Length</b>	Full Year	<b>SACE Credits:</b> 20
<b>Description</b>	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.	
<b>Recommended Background</b>	1 Semester of any Stage 1 Art	
<b>Additional Costs/Information</b>	Nil	

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## 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

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## 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**

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.

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## 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**

Successful completion of a Full Year of Stage 1 General Mathematics

**Additional Costs/Information**

A graphics calculator is essential (approximately \$180). Study Guide for exam revision (approximately \$30)

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## HISTORY (MODERN)

**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

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## 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

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## 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.

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**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**

Successful completion of a Full Year of Stage 1 Mathematical Methods

**Additional Costs/Information**

A graphics calculator is essential (approximately \$180). Study Guide for exam revision (approximately \$25)

**OUTDOOR EDUCATION****Contact:** DARRYL HEWITT**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 Outdoor Education

**Additional Costs/Information**

Some additional costs will be incurred for camp and excursions depending upon topics selected.

**PHYSICS****Contact:** JACOB DAWSON**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 \$30)



## SPECIALIST MATHEMATICS

**Contact:** JACOB DAWSON

<b>Course Length</b>	Full Year	<b>SACE Credits:</b> 20
<b>Description</b>	<p>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.</p>	
<b>Recommended Background</b>	Successful completion of a Full Year of Stage 1 Specialist Mathematics	
<b>Additional Costs/Information</b>	A graphics calculator is essential (approximately \$180). Study Guide for exam revision (approximately \$30)	

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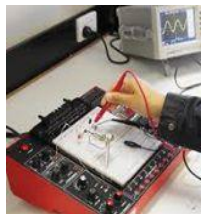
## WORKPLACE PRACTICES

**Contact:** JARED WALLIS

<b>Course Length</b>	Full Year	<b>SACE Credits:</b> 20
<b>Description</b>	<p>Workplace Practices is designed for students who are participating in apprenticeships or VET training. It has three areas of study: industry and work knowledge; vocational learning; and VET.</p>	
<b>Recommended Background</b>	Nil	
<b>Additional Costs/Information</b>	Nil – see VET subject offerings	

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## 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

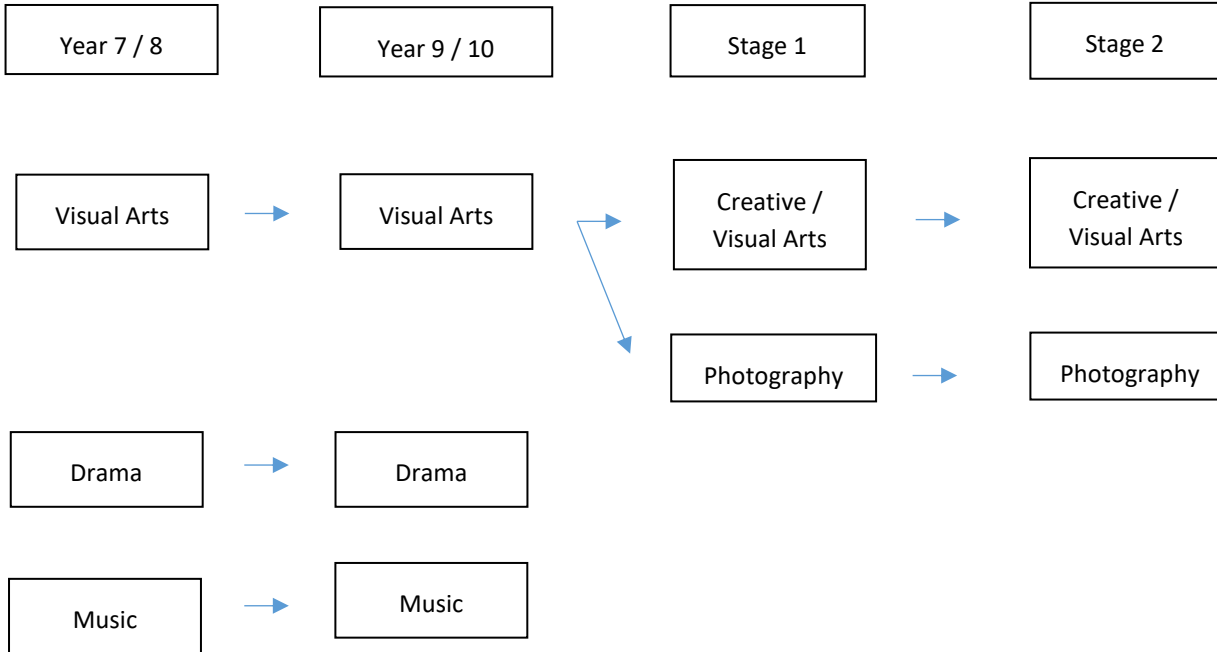
Students will discover the secrets to business success according to Steve Jobs, understand why creative thinking skills are important in business and learn more about each of the building blocks of the program and what to expect from the 15 week Cert III Course.



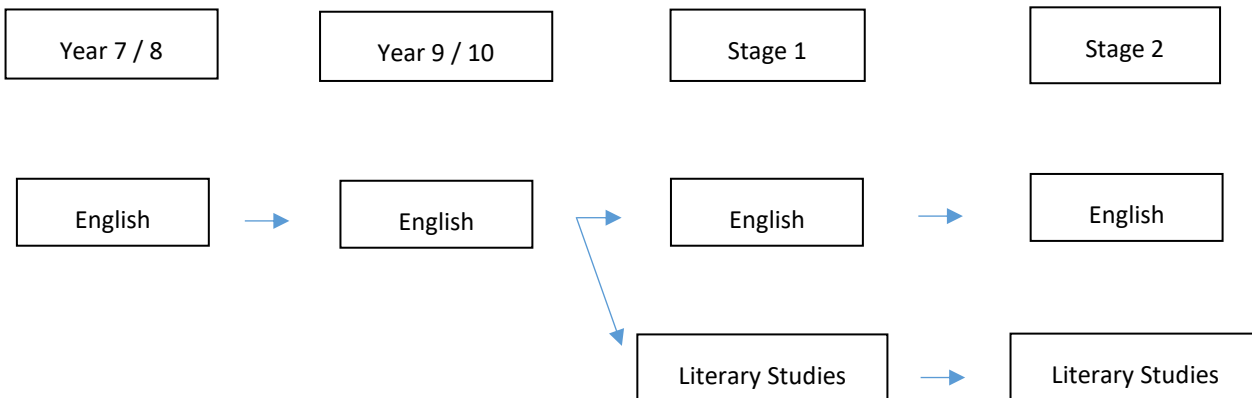
All courses have a student cost which covers uniform, material, consumables, administration and varies from course to course. The Website has details. Students selecting to enrol in VET subjects need to have parent agreement for the costs signed before enrolment will be processed.

# SUBJECT PATHWAY FLOWCHART

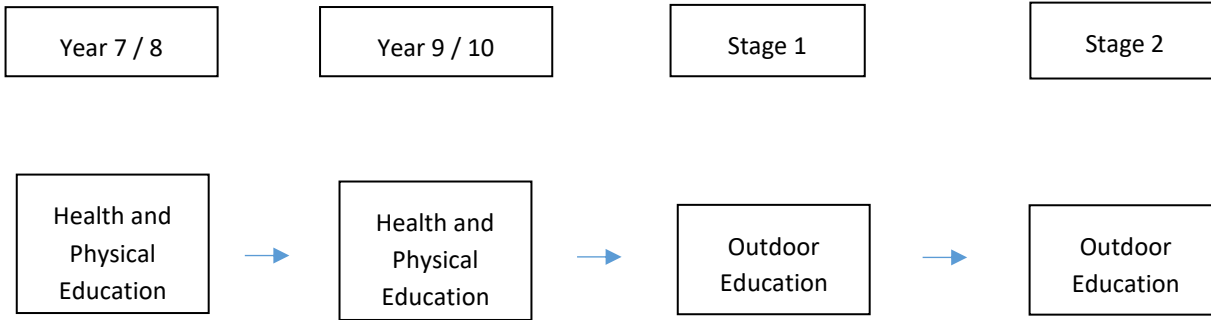
## THE ARTS



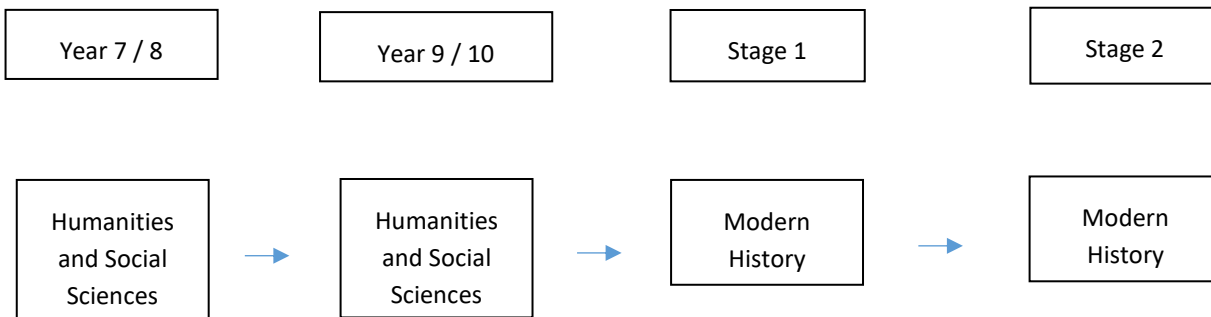
## ENGLISH



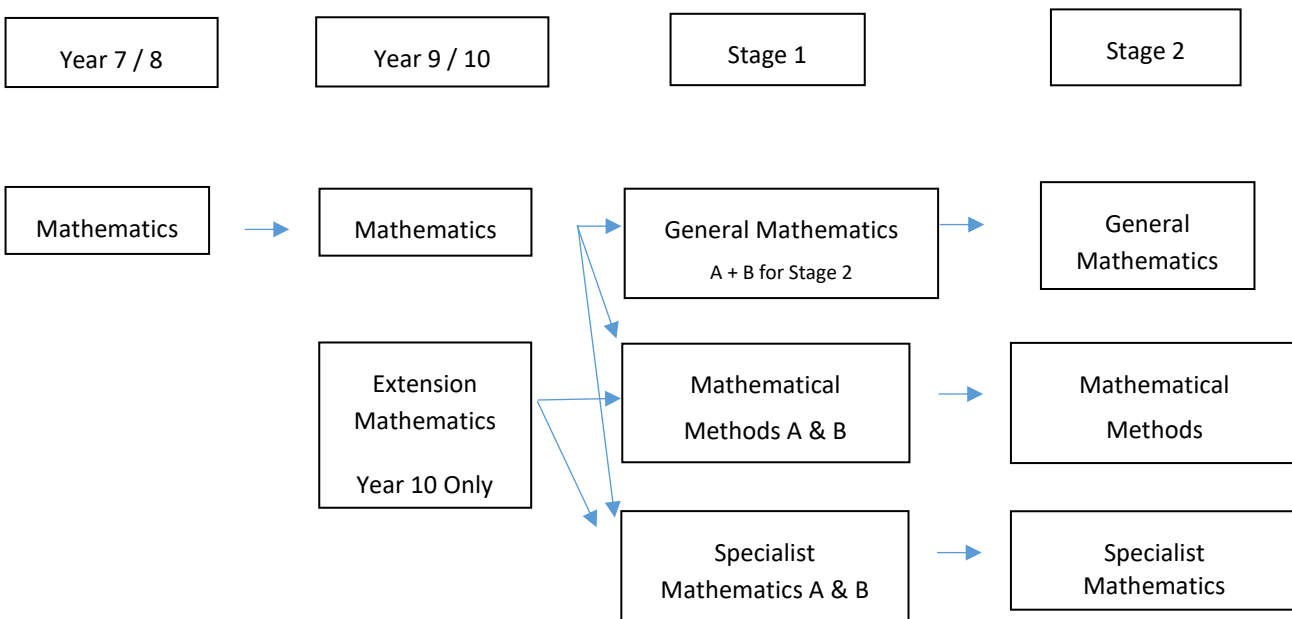
## HEALTH AND PHYSICAL EDUCATION



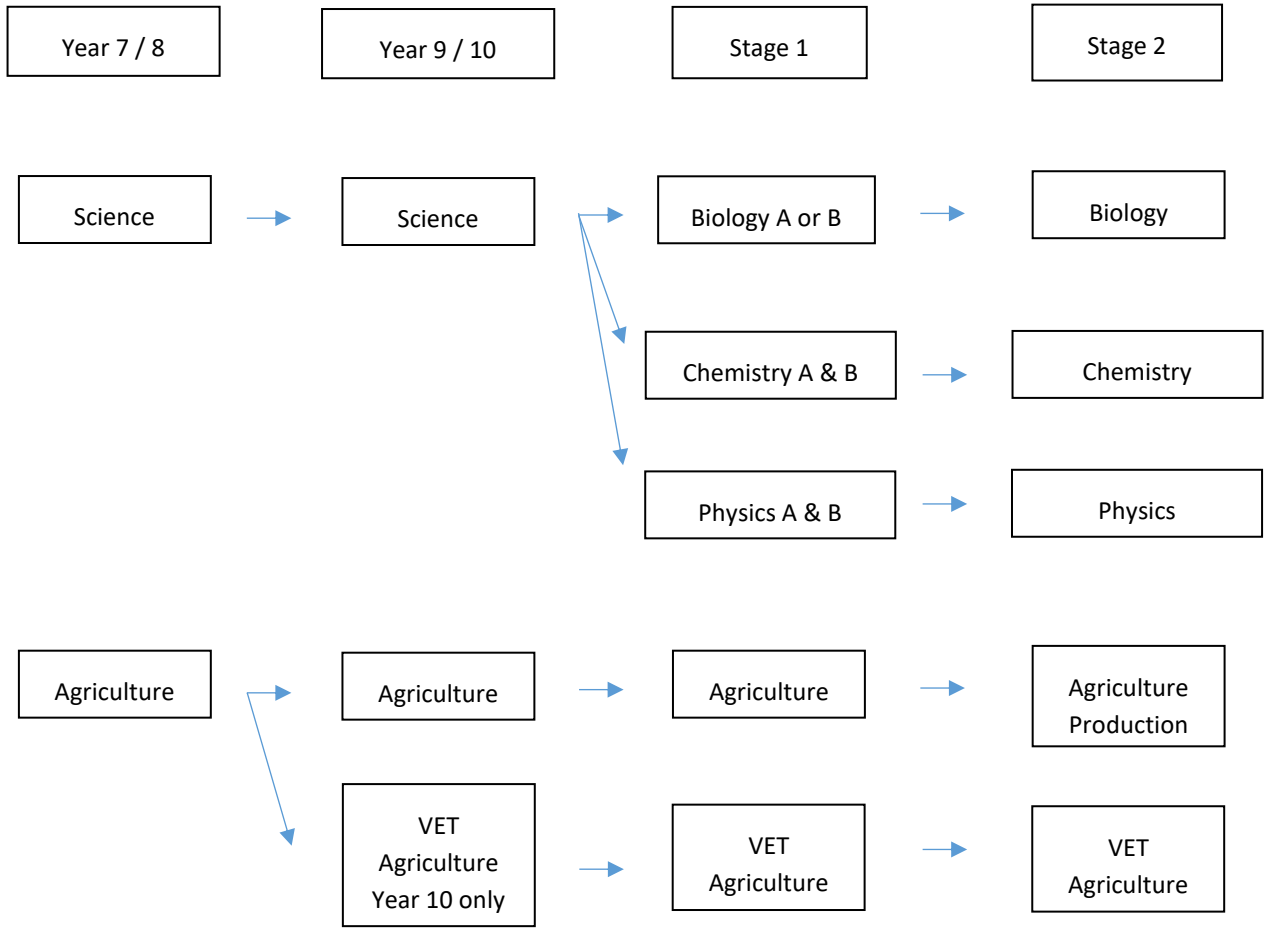
## HUMANITIES AND SOCIAL SCIENCES



## MATHEMATICS



# SCIENCE



# TECHNOLOGIES

