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In Years 9 and 10 students will study compulsory courses from the following learning areas:

- English
- Health and Physical Education
- Mathematics
- Science
- Society and Environment

Students are required to select elective (optional) courses they wish to study from those listed within the handbook. These courses may cover the Learning Areas The Arts, Health and Physical Education, Languages Other Than English, Science and Technology and Enterprise.

Students will study six electives during the year, three in Semester 1 and three in Semester 2.

In choosing courses students should keep in mind:
- Areas of interest
- Possible career paths
- Pre-requisites for Senior School courses as indicated on page 3.

This handbook contains courses for Year 9 and Year 10. Please ensure you select from the appropriate year only.

**NOTE:** The elective timetable is generated to satisfy the majority of students' elective choices. This does not mean that every student will automatically receive every elective chosen. Class size maximums apply in all elective areas.

Students will be asked to select 8 electives given they may not get the top 6.
**PRE-REQUISITES for D Code and Courses of Study (Year 11).**

**AT ARMADALE SENIOR HIGH SCHOOL**

<table>
<thead>
<tr>
<th>COURSE</th>
<th>PRE-REQUISITE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied Information Technology 1A, 1B, 1C, 1D</td>
<td>No pre-requisites required</td>
</tr>
<tr>
<td>Aspects of Tourism</td>
<td>No pre-requisites required</td>
</tr>
<tr>
<td>Automotive Certificate 1 (VET)</td>
<td>No pre-requisites required</td>
</tr>
<tr>
<td>Chemistry 2A, 2B</td>
<td>Level 5 Science</td>
</tr>
<tr>
<td>Children Family &amp; Community 1A, 1B</td>
<td>No pre-requisites required</td>
</tr>
<tr>
<td>Construction Certificate 1 (VET)</td>
<td>No pre-requisites required</td>
</tr>
<tr>
<td>Dance 1A, 1B</td>
<td>Year 10 Dance</td>
</tr>
<tr>
<td>Drama 1A, 1B</td>
<td>Year 10 Drama</td>
</tr>
<tr>
<td>Economics 2A, 2B</td>
<td>Level 4 Society &amp; Environment</td>
</tr>
<tr>
<td>Engineering Certificate 1 (VET)</td>
<td>No pre-requisites required</td>
</tr>
<tr>
<td>English Vocational</td>
<td>Level 2/3 Year 10 English</td>
</tr>
<tr>
<td>English Career</td>
<td>Level 3/4 Year 10 English</td>
</tr>
<tr>
<td>English Tertiary</td>
<td>Level 4/5 Year 10 English</td>
</tr>
<tr>
<td>Furnishing Certificate 1 (VET)</td>
<td>No pre-requisites required</td>
</tr>
<tr>
<td>Geography 2A, 2B</td>
<td>Level 4 Society &amp; Environment</td>
</tr>
<tr>
<td>Human Biological Science 2A, 2B</td>
<td>Level 4 Science</td>
</tr>
<tr>
<td>Industry Program (VET)</td>
<td>No pre-requisites required</td>
</tr>
<tr>
<td>Information Technology Certificate 11 (VET)</td>
<td>No pre-requisites required</td>
</tr>
<tr>
<td>Integrated Science 1A, 1B</td>
<td>Level 3 Science</td>
</tr>
<tr>
<td>Japanese 1A, 1B</td>
<td>Satisfactory achievement in Year 10</td>
</tr>
<tr>
<td>Mathematics 1B, 1C, MAT</td>
<td>Level 4 maths (working at)</td>
</tr>
<tr>
<td>Mathematics 1D, 1E MAT</td>
<td>Achieved level 4 in Year 10 Mathematics</td>
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<tr>
<td>Mathematics 2A, 2B MAT</td>
<td>Level 5 Maths (working at)</td>
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<tr>
<td>Mathematics 3A, 3B MAS</td>
<td>Level 6 Maths (working at)</td>
</tr>
<tr>
<td>Mathematics 3A, 3B MAT</td>
<td>Level 6 Maths (working at)</td>
</tr>
<tr>
<td>Media 1A, 1B</td>
<td>Year 10 Media</td>
</tr>
<tr>
<td>Music 1A, 1B</td>
<td>Year 10 Music and must play an instrument</td>
</tr>
<tr>
<td>Outdoor Education 1A, 1B</td>
<td>Ability to swim confidently 200 metres and have a suitable level of fitness</td>
</tr>
<tr>
<td>Physical Education Studies 1A, 1B</td>
<td>Level 4 Physical Education</td>
</tr>
<tr>
<td>Physics 2A, 2B</td>
<td>Level 5 Science</td>
</tr>
<tr>
<td>Steps to Employment Program(VET)</td>
<td>No pre-requisites required</td>
</tr>
<tr>
<td>Visual Art 1A, 1B</td>
<td>Level 4 Year 10 Art</td>
</tr>
<tr>
<td>Workplace Learning 1A, 1B Career Enterprise</td>
<td>High attendance rate</td>
</tr>
</tbody>
</table>

**Parents and students please note that students not meeting the pre-requisites outlined above must negotiate enrolment in specific courses with the relevant Head of Learning Area.**

All students will be provided with recommendations from teachers about their chances of success in senior school subjects based upon their year 10 performance.
THE ARTS

The Arts curriculum learning area comprises:

- Dance
- Drama
- Media
- Music
- Visual Art

Doing courses in The Arts means learning to communicate and express ideas and feelings as well as learning to use and develop skills. It means talking and writing about your own work, works by others and learning to respond to them. It also means learning to understand The Arts and their importance in society. You will learn to be confident and self motivated in everything you do.

In some art activities you will be working individually, but in many others you will be involved in group work. You will be able to use many different technologies in your involvement in arts activities.
DANCE

Year 9

DANCE 2  ($17)

This course begins with modern dance with a focus on techniques such as Modern Jazz style and choreography. This course is good for students who did not do Dance in Year 8.

DANCE 3  ($17)

This course is for students who have completed Dance in Year 8. Students extend the Modern Jazz dance technique as well as learning Dance for Performance. It also introduces students to other dance styles, such as cheerleading.

*It is strongly recommended that students have completed dance in Year 10 before selecting it in Senior School.*

Year 10

DANCE 4  ($17)

This course extends knowledge from previous dance. It’s focus is on contemporary and hip hop.

DANCE 5  ($17)

In this course a combination of Modern Jazz style and an emphasis on Dance for Performance enabling students to form a working ‘Dance Troupe and developing choreographing skills.
DRAMA

Year 9

DRAMA 2  ($12)

This course is for students who want to have the opportunity to express themselves through acting. Students will experience basic acting skills such as voice, movement, character and performance. It is recommended that students who did not do Drama in Year 8 start with Drama 2.

DRAMA 3  ($12)

Extending what was learned in Drama in Year 8, students learn how to build a short play focusing on costume, set and lighting design, characterisation, rehearsing and performing acting technique.

Year 10

DRAMA 4  ($14)

This course extends the basic acting skills in voice, movement, character and performance learned in Drama 2. Students will experience a variety of ways to expand their skills and gain confidence in their performance.

DRAMA 5  ($14)

Drama 5 focuses on developing the actor through the study of theatre styles, such as Slapstick Comedy and Greek or Elizabethan Theatre. Students also write and perform a ‘Soap Opera’ and learn television acting skills.

It is recommended that students have completed drama in Year 10 before selecting it in Senior School.
MEDIA

Media is an elective in Years 8 to 10. The Media courses are designed to introduce students to each of the five mass media – television, radio, film, print and the Internet through practical and theoretical activities.

Year 9

MEDIA 2 ($30)

In this course, students are involved in designing and producing their own radio programs and will also learn digital photography. Different genres of film will also be studied and students will make their own sub-genre video. A talk show using live television studio format will enable students to learn the roles of a production team and how to set up filming in a live studio.

Year 10

MEDIA 4 ($35)

This course further utilises the live television studio as students have the opportunity to plan, coordinate and film work by other students in the school. The making of a short documentary video and creation of a media campaign will extend the skills learned in previous media courses. Students will make a short animation film sequence, and do some work on the role of the internet as a fast growing media tool.

It is recommended that students have completed media in Year 10 before selecting it in Senior School.
MUSIC

1. GENERAL MUSIC PROGRAM

This pathway is designed for ANY student interested in playing a keyboard instrument through the electronic keyboard laboratory and/or learning more about music in general.

2. INSTRUMENTAL MUSIC PROGRAM

This pathway is for those students SELECTED into the program through a testing program to learn to play an instrument through the Department of Education and Training. This selection occurs at either Year 3 – 6 or from Year 7-8. Students with prior music skills can be selected into the program in Years 9 and 10.

GENERAL MUSIC PROGRAM

Year 9

MUSIC 2 ($16)

Music 2 introduces students to popular music and students will spend a significant part of the course creating music using the keyboards, guitars, drums and voice. It is recommended that students who did not do Music in Year 8 start with Music 2 in Year 9.

MUSIC 3 ($16)

Students will study popular music from the 1970’s and 1980’s, such as Deep Purple, ABBA, Madonna and ACDC. Students will extend and build on what they have learned through various musical activities using instruments such as the keyboards, guitars, drums and voice.

Year 10

MUSIC 4 ($16)

Music 4 extends the exploration of popular music begun in Music 2. Students will again spend time exploring music and creating their own music using instruments such as the keyboards, guitars, drums and voice.

MUSIC 5 ($16)

Music 5 extends the exploration of popular music begun in Music 3. Students will study popular music from the 1990’s and the 21st Century including such artists as Smashing Pumpkins, The Corrs and the Red Hot Chilli Peppers. Once again students will explore the creation of music through the use of instruments such as the keyboards, guitars, drums and voice.

Students must have completed music in Year 10 before selecting it in Senior School. Students who wish to study Music in Society must also be able to play a musical instrument.

*Students must have completed music in Year 10 before selecting it in Senior School.*
INSTRUMENTAL MUSIC

All students who are selected into the music program will be learning an instrument through the School of Instrumental Music and are automatically enrolled in a selected course of study. This will include two courses of class music as part of the student’s elective choices as well as Instrumental and Ensemble Music.

Students not involved in the Department of Education and Training Instrumental Program who wish to be considered for possible inclusion, are required to indicate this on the Elective Course Selection Form.

INSTRUMENTAL LESSONS

All students learning an instrument through SIM (School of Instrumental Music) must participate in instrumental lessons.

These occur during school time with the instrumental teachers appointed to ASHS by SIM.

**Year 9**

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<tr>
<th>Course</th>
<th>Fee</th>
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<tbody>
<tr>
<td>INSTRUMENTAL MUSIC 3</td>
<td>$16</td>
</tr>
<tr>
<td>INSTRUMENTAL MUSIC 4</td>
<td>$16</td>
</tr>
</tbody>
</table>

This course extends ICM 1 and 2 from Year 8 as students continue to develop their composition and performance skills through the study of film music.

Again this course extends ICM 1, 2 and 3. Students continue the development of their composition and performance skills through the study of popular music from the 1970’s and 1980’s, folk music and jazz rock.

**Year 10**

<table>
<thead>
<tr>
<th>Course</th>
<th>Fee</th>
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<tbody>
<tr>
<td>INSTRUMENTAL MUSIC 5</td>
<td>$16</td>
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<tr>
<td>INSTRUMENTAL MUSIC 6</td>
<td>$16</td>
</tr>
</tbody>
</table>

This course follows ICM 1, 2, 3 and 4. Students study jazz and 1990’s popular music as they continue to develop and enhance their composition and performance skills.

Following on from ICM 1, 2, 3, 4 and 5, this course, through the study of music for stage, technology and an own choice topic, enables students to continue to develop their compositional and performance skills and abilities.
VISUAL ART

Year 9

ART 2  ($34)
Art 2 is a course designed to extend the students artistic talent and broaden interest in the world of art. Students discover, through the completion of their own artwork, how an artist creates! This course leads to Art 4 in Year 10.

ART 3  ($34)
Art 3 is a more specialised course for the student who wishes to study the world of art and artists in more depth. Through a variety of experiences and activities whilst creating their own artworks, students will extend their knowledge, broaden their outlook and enhance their artistic talents. This course leads to Art 5 in Year 10.

GRAPHIC DESIGN 1  ($29)
Graphic Design is a purely graphic design course. It focuses on traditional graphic art on paper, computer graphics and digital photography. Students will also be using the ‘PhotoShop’ computer program to create graphic design. (This course must be completed before attempting Graphic Design 2 in Year 10.)

JEWELLERY 1  ($30)
This is a course for the student who wishes to study the art of jewellery design and production. Through a variety of activities in jewellery design and making, students will extend their knowledge, art experiences and enhance their artistic talents. This course leads to Jewellery 2 in Year 10.

Year 10

ART 4  ($34)
Art 4 extends the student’s knowledge and outlook through the experiences and activities involved in creating their own artworks. Through a variety of activities students will also extend their artistic talent and broaden their interest in the world of art.

ART 5  ($34)
Art 5 is a more specialised course for the student who wishes to study the world of art and artists in more depth. Through a variety of experiences and activities as students create their own artworks, they will extend their knowledge, broaden their outlook and enhance their artistic talents. This course is recommended for students who are thinking of studying Art in Senior School.

GRAPHIC DESIGN 2  ($29)
Graphic Design 2 is a purely graphic design course. It focuses on traditional graphic design on paper, computer graphics and digital photography. Students will also be using the ‘PhotoShop’ computer program to create graphic art.

JEWELLERY 2  ($30)
This course extends the experiences and activities undertaken in Jewellery 1. Students will build on the skills they have learned and discover more about the art of jewellery through the design and making of their own jewellery designs.

It is recommended that students have completed art in Year 10 before selecting it in Senior School.
HEALTH AND PHYSICAL EDUCATION

Health and Physical Education programs provide students with unique opportunities to develop specific skills within their total education framework. The individual’s participation in a wide range of activities enhances their attitude, knowledge and skill development. Their involvement in a health program promotes the acquisition of desirable attitudes, knowledge of fitness and health and the opportunity to express ideas and feelings. Skills related to human movement, fitness, recreation and group dynamics are obtained through physical education components.

The learning opportunities provided by physical and health education contribute significantly to a student’s total education and quality of life. Research has indicated that physical activity is important in reducing lifestyle diseases and that participation in health and physical education programs is an important factor in maintaining physical activity habits later in life.

Schools are the only setting where every child can learn about their physical activity and health needs and develop skills which will enable them to participate in and enjoy regular physical activity throughout their lives.

LOWER SCHOOL

Physical and Health Education subjects are compulsory for all students throughout Years 8 – 10. Students participate in Physical Education for two sessions per week and in Health Education for one session per week. In Years 9 and 10, students also have the opportunity to select electives from Outdoor Education, Physical Recreation and Special Physical Education.

SENIOR SCHOOL

Students in Senior School have the opportunity to select from the new Course of Study: Physical Education Studies (1A & 1B and 1C & 1D) or Outdoor Education (1A & 1B).
### Year 9

**SURVIVAL SWIMMING, ORIENTEERING AND FIRST-AID ($32.50)**  
This course is designed to develop student’s competence in dealing with the natural environment, with particular attention to water and bushland and an introduction to the principles of First-Aid.  
**NOTE:** Students must have swimming ability and be able to swim 100 metres competently.

**PHYSICAL RECREATION 2 ($43.50)**  
This course provides students with the opportunity to acquire skills in archery, indoor rock climbing, indoor beach volleyball and target ball activities such as carpet bowls and bocce.

**SPECIALISED PHYSICAL EDUCATION 2 ($15.50)**  
This course provides students with the opportunity to develop team sport skills in football, soccer and basketball.

**PHYSICAL RECREATION 3 ($41.50)**  
This course provides students with the opportunity to develop skills in pool, polo hockey, sof-crosse and unihoc.

**SPECIALISED PHYSICAL EDUCATION 3 ($15.50)**  
This course provides students with the opportunity to develop team sport skills in netball, basketball and volleyball.

### Year 10

**OUTDOOR EDUCATION (EXPEDITION PLANNING / CAMP CRAFT – CANOEING / FITNESS AND BICYCLE EDUCATION) ($42.50)**  
This course is designed to provide students with the ability to prepare for an expedition. The course deals with the selection and preparation of food, appropriate fire preparation, various camping techniques and canoeing. Consideration will be given to fitness for remote conditions and preparation for a cycling expedition.  
**Students require their own bicycle.**

**PHYSICAL RECREATION 4 ($25.50)**  
This course provides students with the opportunity to develop skills in free diving (snorkelling), indoor cricket, table tennis and pateka.

**SPECIALISED PHYSICAL EDUCATION – FITNESS 4 ($48.50)**  
This course provides students with the opportunity to develop and improve fitness through a variety of activities eg swimming/aquarobics, weight-training, boxercise, fitness games.

**PHYSICAL RECREATION 5 ($63.50)**  
This course provides students with the opportunity to develop skills in badminton, ten-pin bowling, European handball and indoor soccer.
Learning another language can be a very rewarding experience. It involves learning more than just how to speak the language but also about another culture and the geography and history of other countries. It helps to develop an understanding and tolerance of other people and develops good learning skills.

With advances in mobility across the world and rapidly developing tourism markets, being able to speak more than one language provides greater employment opportunities.

Japanese at Armadale Senior High School is in the early stages of what promises to be an exciting era in the study of Asian languages. You will also find out about their cultures and country.

Japanese is a complicated language, however, it is exciting and interesting.
JAPANESE

Year 9

JAPANESE 3  ($12)
Students will be exposed to language functions, the culture of Japan and developing a vocabulary in Japanese.

Topics of study include: Location and culture of Japan.
Regions and landmarks of Japan.
Food restaurants – Japanese experience.
Meals and eating out etiquette.
Menu selection in restaurants.
Restaurant dialogue and forms of conversation.

JAPANESE 4  ($12)
Students will develop an understanding of the basic construction of the language as well as cultural information.

Topics of study will include: Sports in Japan.
Describing animals.
Directions.
How to read maps - road maps etc.
Shopping in Japan.

Year 10

JAPANESE 5  ($18)
Students will be expanding their Japanese language ability in written and spoken communication.

Building on the contexts used in Japanese 3
Location and culture of Japan.
Regions and landmarks of Japan.
Food restaurants – Japanese experience.
Meals and eating out etiquette.
Menu selection in restaurants.
Restaurant dialogue and forms of conversation.
Cultural understanding through limited exposure to Japanese Restaurant.

JAPANESE 6  ($18)
Students will be expanding their Japanese language ability in written and spoken communication.

Building on the contexts used in Japanese 4
Sports in Japan.
Describing animals.
Directions.
How to read maps - road maps etc.
Shopping in Japan.
Cultural understanding through limited exposure to Karate.
The Science learning area offers the following Technology & Enterprise elective subjects:

- Electronics
- Robotics

These subjects provide experiences with practical technological applications of scientific theories that are used in everyday life. The practical skills learned can enhance future career prospects while also providing the basis of challenging and interesting hobbies.

Although these courses have a strong practical component, basic theoretical work is also necessary to understand the working of systems that are built and linked to other systems.

Robotics is a special interest program that, like electronics, builds upon common experiences from the year 8 Science course. Students choosing these courses are also able to enter state-wide competitions to pit their wits and skills against students from other schools.

**Year 9 or 10**

**ELECTRONICS 1 ($30)**

In this course students will be introduced to the basics of electronics. They will learn how to solder electronic components and how to construct simple projects. While much of the time will be spent on project construction, some simple theory will be studied and assessed.

**ROBOTICS 1 ($20)**

This course introduces the mechanical elements of machines such as structures, pulleys, gears and levers. Models will be constructed using Lego Dacta kits and other materials. Students will also be given the opportunity to design and construct a variety of projects to meet certain functional requirements. The course is aimed at students who wish to gain an understanding of all types of machines and structures and how they may be used in a variety of situations. The basic theory of simple machines will be studied and assessed.

**Year 10**

**ELECTRONICS 2 ($30)**

Both theory and constructional work are more advanced than in the previous course. As with all electronics, this is a practical course. Much of the time will be spent on project construction. The designing, building and testing of circuits on printed circuit boards is a major part of this course. It would be an advantage for students to have completed Electronics 1 before attempting this course, however, the introductory theory and techniques will be revised and assessed before moving onto more advanced theory and more difficult project construction.

**ROBOTICS AND CONTROL TECHNOLOGY 2 ($20)**

This course is a continuation of the Robotics 1 course, with a greater emphasis on constructional techniques to manufacture models while problem solving. Some introduction to control methods using computer interfacing and programme writing is also involved. Year 9 Robotics is strongly recommended before attempting this course.
TECHNOLOGY AND ENTERPRISE

The Technology and Enterprise learning area comprises the following subjects:

- Information and Technology
- Design and Technology (Some courses include Nationally Accredited Competencies) (VET)
- Home Economics (Some courses include Nationally Accredited Competencies) (VET)

Choosing subjects from the Technology and Enterprise learning area provides students with life skills used in everyday living. These skills can provide experience for further education and training in a multitude of career opportunities.

Students will be involved in both individual and group work activities.

This is a ‘hands on’ learning area that promotes:

- Problem solving
- Creativity
- Independence
- Confidence
- A sense of achievement
## Information and Technology - Course Pathways

### Year 8

**Specialist Program - Advanced ICT and Design**
This Department of Education approved specialist program focuses on developing advanced design skills to produce high quality Information Technology Products. Students will gain competencies in Certificate I in Information Technology. This program runs for the whole year.

### Year 9

**Specialist Program - Advanced ICT and Design**
In the second year of this program students continue to develop high level IT design skills developing develop products for business or the local community.

### Year 10

**Specialist Program - Advanced ICT and Design**
In the final year of this program student continue to develop high level IT Design skills to develop and publish products for business or the local community. Students who have successfully completed the previous two years of this program will complete a Certificate I in Information Technology.

### Year 11

**Applied Information Technology : Tertiary Entry Option - University**
- Students will sit compulsory exams
- Recommended “C grade or better” in year 10
- Can lead towards University or TAFE entrance

### Year 12

**Multimedia**
This course offers an introduction into multimedia technologies including animation, audio, web authoring, presentations and digital video.

**Digital Photography & Graphics**
This course offers an introduction into Digital Photography techniques and graphic manipulation.

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**Certificate I in Information Technology over 3 years.**
Students must complete all 3 years to gain a Certificate I in Information Technology. For admission into the ICT Specialist Program please contact the school on: 9497 6431

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**Computing**
This course is an introduction to all aspects of Information Technology. Students will gain skills and knowledge in a wide range of Information Technologies that may include Multimedia, Photography, Gaming, Graphics, Desktop Publishing and Presentation software.

**Multimedia**
This course offers an introduction into multimedia technologies including animation, audio, web authoring, presentations and digital video.

**Digital Photography & Graphics**
This course offers an introduction into Digital Photography techniques and graphic manipulation.

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**Gaming**
This course offers an introduction into game Software, play design art, programming and networking fundamentals.

**Digital Photography & Graphics**
Students will learn advanced Digital Photography techniques and graphic manipulation.

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**Certificate II in Information Technology**
- Students must complete both year 11 and 12 at a competent level in all units to gain a Certificate II in Information Technology
- No prerequisite grade required
- Can lead to TAFE entrance

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**Applied Information Technology : Non-Tertiary Entry Option**
- No compulsory exams
- No prerequisite grade required
- Can lead to TAFE entrance

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**AIT 1C & 1D**
1C - The focus for this unit is personal information and communication technologies and using technology to meet personal computing needs.
1D - The focus for this unit is community information and communication technologies and using ICT commonly required in the operation of a small business or community organisation.

**AIT 1A & 1B**
1A - The focus for this unit is personal communication and using technology to meet personal computing needs.
1B - The focus for this unit is work readiness and using technology commonly required in the operation of a small office environment.

**AIT 2A & 2B**
2A - The focus for this unit is media information and communication technologies.
2B - The focus for this unit is information and communication technologies in business.

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**Operate a personal Computer**
- Install software applications
- Apply problem solving techniques to routine Malfunctions

**Operate computing packages**
- Design Organizational Documents using computer packages
- Integrate commercial computing packages

**Follow workplace safety procedures**
- Care for computer hardware
- Integrate commercial computing packages

**Work effectively in an IT environment**
- Operate computer hardware
- Connect hardware peripherals

**Communicate in the workplace**
- Operate computer hardware
- Connect hardware peripherals

**Operate a personal Computer**
- Install software applications
- Apply problem solving techniques to routine Malfunctions

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<table>
<thead>
<tr>
<th></th>
<th>Year 8</th>
<th>Year 9</th>
<th>Year 10</th>
<th>Year 11</th>
<th>Year 12</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Students who want to complete the full certificate must select Industrial Systems as a year long subject in Year 9 &amp; 10 or students can select Wood Design as a semester subject.</td>
<td></td>
<td></td>
<td>Certificate I Construction (General)</td>
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<td>Certificate I Engineering (Production)</td>
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<td>Certificate I Furnishing (Furniture Making)</td>
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<td>Students complete all four certificates over two years.</td>
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<td>Students also study</td>
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<td>• English</td>
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<td>• Maths</td>
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<td>• Physical Education</td>
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<td>• Workplace Learning</td>
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<tr>
<td><strong>Metal Design</strong></td>
<td>Metal Design – Certificate I Pathways (Manufacturing – Metal)</td>
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<tr>
<td><strong>Industrial Systems</strong></td>
<td>Industrial Systems – Certificate I Pathways (Transport &amp; Logistics - Automotive)</td>
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<td>Students who want to complete the full certificate must select Industrial Systems as a year long subject in Year 9 &amp; 10 or students can select Wood Design as a semester subject.</td>
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Subject and Program Information is available in Design & Technology Section of Year Level Course Books

Students enter Certificate III School Based Apprenticeship or Certificate II School Based Traineeship in career area of choice.
BUSINESS AND TECHNOLOGY

Year 9

SPECIALIST PROGRAM - ADVANCED ICT AND DESIGN  ($16)

In the second year of this program students continue to develop high level IT design skills developing develop products for business or the local community. Students in this course will be enrolled in both semesters (whole year). Application is required for entry into this special program (contact the school on 9497 6400 for more information).

MULTIMEDIA  ($16)

This course offers an introduction into multimedia technologies including animation, audio, web authoring, presentations and digital video.

GAMING  ($16)

This course offers an introduction into game Software, play design art, programming and networking fundamentals.

DIGITAL PHOTOGRAPHY & GRAPHICS  ($16)

This course offers an introduction into Digital Photography techniques and graphic manipulation. Students will access technologies such as digital cameras, scanners and graphic editing software.

Year 10

MULTIMEDIA  ($16)

Students will develop advanced skills in multimedia technologies including animation, audio, web authoring, presentations and digital video.

GAMING  ($16)

This course offers builds on previous knowledge to develop advanced games, further understanding of gaming and networking concepts.

DIGITAL PHOTOGRAPHY & GRAPHICS  ($16)

Students will learn advanced Digital Photography techniques and graphic manipulation. Students will access technologies such as digital cameras, scanners and graphic editing software.
DESIGN AND TECHNOLOGY

Year 9

Year 9 students have the option of commencing a Nationally Accredited Qualification in Industrial System, Wood Design or Metal Design. Students who wish to complete the full qualification must select stage 2, 3, 4 & 5, units in the same area in semester 1 and 2 years 9 and 10. However, students who just wish to explore different options can mix and match their selections, completing this qualification will help a student enter the Industry Program and TAFE.

INDUSTRIAL SYSTEM 2 (VET)  ($45)  CERT 1 PATHWAYS (TRANSPORT & LOGISTICS)

Students begin by learning the safe use of welding, turning and other metal working tools to enable them to find and create solutions to teacher initiated design problems. Team work is essential and each student will have a part to complete. This course involves systems, materials and information strands.

INDUSTRIAL SYSTEM 3 (VET)  ($45)  CERT 1 PATHWAYS (TRANSPORT & LOGISTICS)

This course takes students through four basic areas. They will learn about small engines, oxy-acetylene welding, arc-welding and bicycle maintenance. Some time will be spent using the computer to learn about motor technology with a very user friendly program called Auto Works. This course involves systems, materials and information strands.

WOOD DESIGN 2 (VET)  ($23)  CERT 1 PATHWAYS (MANUFACTURING & WOOD)

This Wood Design course not only focuses on basic woodworking hand skills but also provides students greater exposure to power tools and machinery. Students will manufacture a range of models with emphasis not only placed on woodworking techniques and safety but also design. This is a fun and educational course where raw materials can be turned into ‘works of art’.

WOOD DESIGN 3 (VET)  ($25)  CERT 1 PATHWAYS (MANUFACTURING & WOOD)

This course is an extension of Wood Design 2. Although basic hand skills are revised, greater emphasis is placed on the Technology Process where students will be provided with the opportunity to create individual design solutions to a given problem. This is a fantastic course for those students seeking a challenge and the opportunity to further their education in working with timber.

METAL DESIGN 2 (VET)  ($20)  CERT 1 PATHWAYS (MANUFACTURING & METAL)

This course allows the students to increase their knowledge and skills using metal techniques. They will be given the opportunity to further develop their hand skills and specialised machine skills through a combination of set projects and design activities.

METAL DESIGN 3 (VET)  ($21)  CERT 1 PATHWAYS (MANUFACTURING & METAL)

The students will be using skills they have learnt previously to construct more challenging projects whilst maintaining a high level of safety appreciation. More design activities should give the students greater ownership of their work with the main emphasis being on the general presentation of projects.
Year 10

Year 10 students have the option of completing competencies towards a Nationally Accredited Qualification in Industrial Systems, Metal Design or Wood Design. Students who wish to complete as many competencies as possible must select stage 4 and 5 units in the same area in semester 1 and 2. However students who just want to explore different options can mix and match completing these competencies will help students enter the Industry Program and TAFE.

**INDUSTRIAL SYSTEMS 4 (VET) ($52) CERT 1 PATHWAYS (TRANSPORT & LOGISTICS)**

This course is great for students wanting to learn about small engines, welding and maintenance and repair of car engines. Students will learn oxy, arc and mig welding, the correct use of several metal working tools and produce some interesting projects to take home. Design of personal projects is an important element of this course.

**INDUSTRIAL SYSTEMS 5 (VET) ($49) CERT 1 PATHWAYS (TRANSPORT & LOGISTICS)**

This course is great for students to extend their learning about small engines, welding and maintenance and repair of car engines. Students will learn oxy, arc and mig welding, the correct use of several metal working tools and produce some interesting projects to take home. Designing of personal projects is an important element of this course. Students are involved in discussing problem solving techniques related to the automotive industry and fabrication of projects.

**METAL DESIGN 4 (VET) ($33) CERT 1 PATHWAYS (MANUFACTURING & METAL)**

This course will allow students to broaden their knowledge towards metal properties and techniques. They will undertake a number of different activities to develop skills necessary for more advanced manufacturing tasks and problem solving. Students should learn to look at existing projects, modifying aspects of them to make them better. Machinery is used more in the construction of the projects once all safety procedures and machine knowledge has been met.

**METAL DESIGN 5 (VET) ($36) CERT 1 PATHWAYS (MANUFACTURING & METAL)**

Students are taught specialised turning techniques through a combination of different projects. They will undertake two different design activities that will be using the lathe for the majority of the construction (Canon design). This course is focused on skills that may be needed if the student wants a career in fitting and turning. Particular attention is paid to lathe operation, parts, special functions and safety when in the workshop.

**WOOD DESIGN 4 (VET) ($35) CERT 1 PATHWAYS (MANUFACTURING & WOOD)**

In the Wood Design course, students will broaden their knowledge in the areas of hand tool and machine use, model construction, presentation and design. Students will be provided the opportunity not only to manufacture the ‘Gum Ball Machine’ and ‘House Stool’, but design activities are also provided to encourage problem solving and decision-making.

**WOOD DESIGN 5 (VET) ($36) CERT 1 PATHWAYS (MANUFACTURING & WOOD)**

This course is a useful pathway to the Year 11 and 12 Furniture Woodwork courses. Students will be presented with the opportunity to design their own 'Table' and therefore this course is furniture design orientated. New skills and techniques will allow students to gain a greater understanding of design, furniture manufacture and also timber finishing. This is a fantastic course for any student who wishes to learn basic furniture manufacturing techniques or is looking to pursue woodwork as a career.
The above links provide an example of subject pathways for years 8 through to 12. It is possible to choose any subject at any level without prior subject completion.
Year 9 students have the option of commencing a Nationally Accredited Qualification in Food (Cert 1 Pathways). Students who wish to complete the full qualification must select stage 2, 3, 4 and 5 units in Food in semester 1 and 2 year 9 and 10. However, students who wish to explore different options may mix and match units.

**CARING FOR CHILDREN 1**  ($30)

Students will learn the routine and responsibilities of caring for children in this course. Practical activities will include producing suitable toys and foods for children aged newborn to pre-school. Students interested in baby sitting will benefit from this course.

**FOOD 2 (VET)**  ($36) **CERTIFICATE 1 PATHWAYS (AGRI–FOODS)**

This course is designed to extend the skills learnt in Year 8. Students will have fun cooking food that displays their talents. This course is designed for the student to construct menus for parties and picnics. Cakes, confectionery and barbeque recipes are what make this unit appealing.

**FOOD 3 (VET)**  ($36) **CERTIFICATE 1 PATHWAYS (AGRI–FOODS)**

Students learn organization and preparation of foods in more depth. Such as, how can fast foods be healthy for us? The student makes recipes similar to those in fast food outlets and then explores how these foods can fit into the guidelines of our Australian diet.

**CRAFTS AND FABRICS 2**  ($30)

Crafts and beginner garment-making projects come to life in this class. Allow your creativity to roam as you explore a variety of skills to design and make your own creations. This course builds on skills learnt in Year 8 to enable the student to follow these subjects through to Senior School.

**CRAFTS AND FABRICS 3**  ($30)

Developing skills and techniques already acquired, students are able to develop their creative ideas to design and make their own garments and accessories using sewing and craft making techniques. This precedes both Fashion and Fabric courses in Year 10.
Year 10 students have the option of completing competencies towards a Nationally Accredited Qualification in Agri-Foods. Students who wish to complete as many competencies as possible must select Food in semester 1 and 2. However, students who wish to explore different options can mix and match units.

**CARING FOR CHILDREN 4**  ($33)

This is a hands-on course that explores the physical, social, emotional and intellectual development of the growing child. Students will learn to make food, toys, clothing and design activities for children aged newborn to pre-school. This course leads to study Early Childhood Studies in Senior School.

**FOOD 4 (VET)  ($40)  CERTIFICATE 1 (AGRI-FOODS)**

This course has an international and special occasion focus. The idea is to allow students to build on skills and techniques. They will be able to select delicious and unique dishes and learn what makes them so different from our everyday meals and our own Australian foods.

**FOOD 5 (VET)  ($40)  CERTIFICATE 1 (AGRI-FOODS)**

Students have the opportunity to develop menus for entertaining. Preparing foods for special events is always exciting and they are given an amazing range of food and products from which to select. Students will produce a variety of food items which can include cakes, preserves and confectionery.

**FASHION AND FABRICS 4**  ($35)

In this course, students build and develop upon prior skills so that they are able to select a pattern and then make a garment. Using commercial patterns, learn how to adapt the design and size to suit your personal needs. This course can be based on a range of projects.

**FASHION AND FABRICS 5**  ($35)

Here students are introduced to the world of retail fashion and the many characteristics of the Australian Fashion Industry. They are able to choose from party and casual designs to make their own garment, perhaps even for their end of year social. Learn how designs, colours and fabrics can influence how an item of clothing is appealing and develop the skills and techniques to create your own designs.
WHERE HOME ECONOMICS CAN LEAD

Year 8
- FOOD 1

Year 9
- FOOD 2 (VET)
- FOOD 3 (VET)

Year 10
- FOOD 4 (VET)
- FOOD 5 (VET)

Senior School
- FOOD PRODUCTION
- INDEPENDENT LIVING

Year 8
- CRAFTS & FABRICS 1

Year 9
- CRAFTS & FABRICS 2
- CRAFTS & FABRICS 3

Year 10
- FASHION & FABRICS 4
- FASHION & FABRICS 5

Senior School
- INDEPENDENT LIVING

Year 9
- CARING FOR CHILDREN 2

Year 10
- CARING FOR CHILDREN 4

Senior School
- CHILDREN, FAMILY AND THE COMMUNITY