



**IONA**  
PRESENTATION COLLEGE

2017

Applied Science and  
Human Development  
Food, Textiles, Children Family  
and Community



## **LEARNING AREA SUMMARY**

The Applied Science and Human Development Learning Area allows students to extend themselves in many practical related areas. Each student is welcomed to be involved in one or more of the courses on offer within the Foods, Textiles, or Children, Family and Community areas.

The courses have a practical and hands on approach and relate to the processes of applying knowledge, skills and resources to satisfy human needs and wants, extending capabilities and realising opportunities. It uses resources, including materials (both raw and processed), tools and machines, knowledge, skills and experiences. It teaches students to care for others through examination of development and developmental needs, social belief systems, the family, values, and resources that support daily living.

The opportunity to engage with the community is an important focus. Whether it is through guest speakers, excursions to course related venues or visits to conduct activities; the students can extend their learning in a positive manner.

### **YEAR 7**

#### *Foods*

Students enjoy being introduced to the technology skills involved in food preparation whilst cooking a range of delicious recipes. The overall focus is on effective group work, skill and knowledge development, as well as expanding food experiences. Regular practical sessions allow students to display proficient cooking skills.

#### *Textiles*

Students embark on a learning journey to gain confidence in the basic skills of machine and hand sewing, by applying these in the design and production of a various interesting products. The end result is beautifully designed, individual pieces that are produced by students. Students have the opportunity to be involved in the annual Fashion Showcase.

### **YEAR 8**

#### *Foods*

Students investigate the opportunities for enjoying food across the day. The importance of healthy and interesting breakfasts is a focus, followed by lunch and dinner; as well as the importance of healthy and balanced snacks. Students will have the opportunity to develop the skills required to select and modify recipes and also design original recipes. Regular practical sessions will provide the opportunity for students to gain essential food production skills, which will empower them to meet their individual needs in choosing and preparing food.

#### *Textiles*

The aim of this course is to continue to introduce students to the basic processes used in designing and working with simple textile products. Students learn about textile decoration techniques, develop skills in using basic construction equipment and become familiar with the design process. Individual designs will result in original products, including tops, shorts, bags and pencil cases. Students will also develop the skills in written and practical work as a basis for further development in succeeding courses in Textiles. Additionally, students have the opportunity to be involved in the annual Fashion Showcase.

### **YEAR 9**

#### *Foods*

Across the year the students will be introduced to the influences on the Australian diet, including indigenous food investigations, and the effect of the various eras of migration on food consumption. A focus on Asian cuisine entitled "An Asian Adventure" will be studied, and students will investigate foods from Asian countries including Indonesia, Japan, China, Thailand, Vietnam and India. Groups will prepare an Asian banquet to share with the rest of the class for assessment. Within this course there

will be an emphasis on teenage food choices, focussing on healthy, but delicious, recipes that are easily prepared at home. The importance of a healthy lifestyle will be investigated.

### *Textiles*

This course is designed to cater for students who enjoy learning in a practical, creative environment. Students will complete four projects by following the design process, with a focus on producing original well-constructed fashion pieces, including skirts and hoodies. This program includes fabric knowledge; dyeing and printing fabrics; standards for safety; use of equipment; development of fashion and design skills; and development of construction skills. Additionally, students have the opportunity to be involved in the annual Fashion Showcase.

## **YEAR 10**

### *Foods*

Continuing from Year 9 foods, this course also has an emphasis on teenage food choices, focussing on healthy, but delicious, recipes that are easily prepared at home. The importance of a healthy lifestyle will be investigated. Contemporary nutrition theories are reviewed and many quality and highly nutritious recipes are produced. Year 10 Foods then looks at the influence of restaurants and cafes within the topic Café Culture. Students will then move to the topic of European Food Influences for Terms 3 & 4. Various countries will be investigated thoroughly with a great range of practical items being produced. A continued focus is on skill development.

### *Design Technology*

This is an introductory course held between both Iona Presentation College and CBC Fremantle. The focus is on the design process based around investigating, devising, producing and evaluating; and includes woodwork and related materials, metalwork, plastics and other design based projects. Basic skills in each area are focused on, with an emphasis on good design skills, practical products and safe work practices.

### *Family and Community*

This course has a focus on the life stages of the individual, which is investigated via various student-directed tasks. Practical life skills are introduced across the year. Foods, nutrition, sewing, craft; as well as child development and care are all covered. There are several opportunities for students to be involved in excursions and engage with guest presenters.

### *Textiles*

This course is designed to cater for students who enjoy learning in a practical and creative environment. Student's focus on fashion and the design of garments and accessories, with an accent on embellishment and on-trend fashion items, constructed using high-level construction skills. Patchwork skills, individually designed dresses and highly decorated clutch bags are all focused on across the year. Students will also develop the skills in written and practical work as a basis for further development in succeeding courses in Material Design Technology in Year 11 and 12. Additionally, students have the opportunity to be involved in the annual Fashion Showcase.

## **YEAR ELEVEN**

### *Children, Family and the Community General*

These units look at caring for others, as well as family uniqueness. Areas of investigation include childhood development, beliefs and values, resources, the effects of the environment on individuals and families. A practical approach is the focus across the entire course, with hands-on activities, excursions and numerous guest presenters.

### *Food Science and Technology General*

The focus for this course is spotlight on my food investigating food, health and choices. Students explore ways in which individuals select and use foods, and how this is determined by family customs,

lifestyle, budget, availability of food and food preparation skills. They learn about the variety and availability of familiar, local foods and use food selection models to determine their place in a balanced diet. Additionally, students learn about a balanced diet and apply nutrition concepts that promote healthy eating. A large emphasis is placed on developing a range of food preparation skills through regular practical sessions.

### ***Materials Design and Technology ATAR***

MDT allows you to develop the skills to become young designers. The students take inspiration and generate ideas to develop into original garments. Creativity is developed through exploring, manipulating and decorating with textile materials. ATAR MDT is developing more advanced practical skills with an expectation for students to create individual garments. Further investigating and applying knowledge related to the properties of materials in relation to textile material selection and use. Design fundamentals and design process is developed further and more emphasis on skills for presenting a portfolio.

## **YEAR TWELVE**

### ***Children, Family and the Community General***

These units look at living and working together as well as getting the most out of life. The influence of biological and environmental factors, lifestyle behaviours and health status on growth and development will be studied. Students learn that individuals exist within a series of dynamic and changing environmental systems. They examine issues and opportunities arising from relationships between individuals, families and community groups, as they live and work together. Students explore the health of individuals and the protective and preventative strategies that impact on growth and development. A practical approach is the focus across the entire course, with hands-on activities, excursions and numerous guest presenters.

### ***Food Science and Technology General***

This focus of this course is food and my life, as well as food for communities. Students investigate where food comes from, exploring the primary food production systems and practices and the secondary food processing techniques. They further develop concepts related to the sensory and physical properties of food through practical food preparation skills. Students work with a variety of raw and processed foods and adapt basic recipes and methods by applying the technology process to design and produce food products. Students explore nutrition-related health conditions and investigate the reasons for specialised diets to meet requirements of individuals or community groups. A large emphasis is placed on developing a range of food preparation skills through regular practical sessions.

### ***Materials Design and Technology ATAR***

MDT allows you to develop the skills to become young designers. The students take inspiration and generate ideas to develop into original garments. Creativity is developed through exploring, manipulating and decorating with textile materials. Both contemporary and historical fashion is explored and how this influences successful fashion designers. Students learn advanced skills for constructing garments that will be useful lifelong skills. The study of fibres and fabrics will allow students to make informed choices for fabric selection. Students have the opportunity to be involved in the annual Fashion Showcase. In MDT ATAR the practical emphasis on original ideas, testing and experimenting with new ideas and techniques and applying them to garment construction, additionally, a major portfolio task is linked to this.