

# **Grade 9 and 10**

## **Course Booklet**

### **2018**



**New Town High School**



## **New Town High School Curriculum Design**

The Grade 9 and 10 Course Guide provides students with the information needed to select their options subjects for 2018. Students will find a range of possibilities that will give them engaging and challenging learning experiences.

Students are encouraged to think about their future pathways and to choose subjects that have links to their future study options.

New Town High School's learning programs give students the opportunity to be:

- responsible, independent learners
- effective communicators
- resilient, lifelong learners
- compassionate, global citizens
- imaginative and critical thinkers
- collaborative learners.

Students in Grade 9 and 10 have access to a range of other learning opportunities including inter-state and overseas trips, camps, carnivals, whole- school productions, and other extension and leadership opportunities designed to broaden their educational experience while studying at New Town High School.

### **Curriculum organisation**

The New Town High School timetable is organised into twenty five hour long lessons per week. Students study a combination of compulsory and optional subjects designed to provide an engaging learning experience. Core subjects, which are compulsory for all students, are aligned with the Australian Curriculum. The list below outlines the number of lessons per week students study each core subject;

- English - three lessons per week
- Maths - three lessons per week
- Science - three lessons per week
- Health and Physical Education - three lessons per week
- History - three lessons per week
- My Education – one lesson per week

Students in Grades 9 and 10 have the opportunity to choose optional subjects to complement their core subjects. Each optional subject consists of a two hour session and a single one hour session per week for the duration of the course. A short description of each optional subject is included in this booklet, along with a guide for finalizing subject selections.

For 2018, the process for selecting optional subjects will involve;

1. Subject selections parent information evening which coincides with parent teacher evening on 31<sup>st</sup> of July
2. Subject selections information assembly for students- Week 3, Term 3
3. Subject selections round one- designed for students to register their interest in subjects (entered via link on school website)

4. Final selections – requiring parent signature. This round of selections will enable students to select courses on each options line (entered via link on school website and printed for parent signature)

## Selections- Round 1

Use the online selections software and your password to select your subjects in order of most important (1) to least important (10) to you after reading the course information and discussing your choices with parents or carers.

## Selections Round 2

The subjects are now arranged in options lines. Number the boxes next to every subject in every group from most important (1) to least important (6).

### Example:

<b>Line 1</b>	
<b>English- Literature</b>	<b>6</b>
<b>AFL- Athlete Development</b>	<b>4</b>
<b>French</b>	<b>3</b>
<b>App development and design</b>	<b>2</b>
<b>Design and construction- Wood</b>	<b>5</b>
<b>Food Studies</b>	<b>1</b>

<b>Line 2</b>	
<b>Drama</b>	<b>3</b>
<b>Civics, citizenship and entrepreneurship</b>	<b>4</b>
<b>Mathematics Advanced</b>	<b>1</b>
<b>Future Pathways</b>	<b>6</b>
<b>Japanese</b>	<b>2</b>
<b>Computing extended</b>	<b>5</b>

<b>Line 3</b>	
<b>Geography</b>	<b>1</b>
<b>Great Science</b>	<b>3</b>
<b>Writers workshop</b>	<b>2</b>
<b>Visual Effects</b>	<b>6</b>
<b>Music</b>	<b>5</b>
<b>Innovation, Entrepreneurship and the Global World</b>	<b>4</b>

<b>Line 4</b>	
<b>Marine and Antarctic Science</b>	<b>4</b>
<b>Young Australians plan for the planet</b>	<b>3</b>
<b>Game App design</b>	<b>2</b>
<b>Art- visual</b>	<b>5</b>
<b>Design in metal</b>	<b>6</b>
<b>Music</b>	<b>1</b>

**FINALLY: Once all boxes have been numbered, print the receipt, complete the required signatures and hand it into the office by the due date. Wednesday 23 August 2017.**

### PLEASE NOTE:

1. The timetable program will assign your number one selection first, then number two and so on. **It is important to prioritise your selection in the correct order.**  
**Note:** whilst most students will receive most of their course selections, **all your choices should be considered as viable options** and will be used when necessary as outlined above.
2. It is necessary to understand **that lower preference choices will be allocated if a subject is unavailable:**  
This may be because:
  - the course did not run because of insufficient numbers
  - the course clashed with another of the choices you made
  - the course was full (All courses have maximum limits set) Practical subjects such as Food Studies and Design in Wood / Metal are capped at 24 students for safety reasons).
3. In some cases only one class will run, if this is the case the class is shared by Grade 9 and Grade 10 students.

**Priority is given to Grade 10 students.** Grade 9 students have the opportunity to re-apply next year.

Round 1 selection process **opens for Grade 9 and 10's on Wednesday 2<sup>nd</sup> August and closes on Wednesday 9<sup>th</sup> August 2017.**

**Round 2 selections open on Wednesday 16<sup>th</sup> August and closes for Grade 9 and 10 on Wednesday 23<sup>rd</sup> August 2018 at 3pm.**

## **On-line course selection process**

**Choose a minimum of 5 subjects and up to a maximum of 10**



**Use the Web Preferences Access Guide  
(supplied to students 4 August 2017)  
To access the subject selections website.**



**Enter options in order of preference.  
(No. 1 is the one the student wants to do most.)**



**Print the receipt from the website.**



**Parent/carer/guardian to sign receipt.**



**Hand the signed receipt to the office by  
**Wednesday 23 August**  
The course selection has not been completed  
until the receipt has been received at the office.**

**Failure to print your receipt may mean they miss out on options of their choice.**

## 2016 New Town High School Student Option Courses

YEAR LONG COURSES	Half Year Courses
<a href="#">App Development and Design*</a>	<a href="#">Ancient Civilisations- Greece (New)</a>
<a href="#">AFL Athlete Development*</a>	<a href="#">Ancient Civilisations- Rome(New)</a>
<a href="#">Art- Design and Graphic Art</a>	<a href="#">Break the Internet</a>
<a href="#">Art- Visual</a>	<a href="#">Cooking for Every Day Occasions</a>
<a href="#">Basketball Athlete Development*</a>	<a href="#">Cricket Athlete Development</a>
<a href="#">Computer Graphics and Design</a>	<a href="#">Digital Art</a>
<a href="#">Computing</a>	<a href="#">Drama Games and Improvisation</a>
<a href="#">Computing Extended*</a>	<a href="#">Electronics *</a>
<a href="#">Design in Metal</a>	<a href="#">First Aid and Sports Injuries</a>
<a href="#">Design in Wood</a>	<a href="#">Futsal</a>
<a href="#">Design &amp; Construction in Wood (Specialised)</a>	<a href="#">Master Chef</a>
<a href="#">Drama</a>	<a href="#">Mediterranean and Asian Food</a>
<a href="#">Civics and Citizenship (New)</a>	<a href="#">Music Media and Design</a>
<a href="#">English Literature (New)</a>	<a href="#">Outdoor Education</a>
<a href="#">Food Studies</a>	<a href="#">Photography</a>
<a href="#">French</a>	<a href="#">Robotics</a>
<a href="#">Future Pathways to Work* Year 9</a>	<a href="#">Rock Music Studies</a>
<a href="#">Future Pathways to Work* Year 10</a>	<a href="#">Small Engines</a>
<a href="#">Game App Design</a>	<a href="#">Sports Fitness</a>
<a href="#">Geography Extended (New)</a>	<a href="#">Mind Fit</a>
<a href="#">Golf Athlete Development Program</a>	<a href="#">Whole School Musical Production</a>
<a href="#">Great Science</a>	
<a href="#">Innovation, Entrepreneurship and the Global World (New)</a>	
<a href="#">Japanese</a>	
<a href="#">Mathematics Advanced (Grade 10)*</a>	
<a href="#">Mathematics Extended (Grade 9)*</a>	
<a href="#">Music Performance Grade 9</a>	
<a href="#">Music Performance Grade 10</a>	
<a href="#">Soccer Athlete Development*</a>	
<a href="#">Sports Science Grade 9</a>	
<a href="#">Sports Science Grade 10</a>	
<a href="#">Visual Effects</a>	
<a href="#">Writers' Workshop</a>	
<a href="#">Inventors Workshop- STEM (New)</a>	Full or Half Year
<a href="#">Marine and Antarctic Science (New)</a>	Full or Half Year
<a href="#">Young Australians Plan for the Planet</a>	Full or Half Year

\* Indicates that the course has prerequisites. Please read the detail regarding these carefully in the subject description.

### YEAR LONG COURSES (alphabetical order)

## **APP DEVELOPMENT AND DESIGN**

In this course you will get the chance to use Swift, Xcode and other App development software to create an App of your own design. You will also have the chance to submit your App to the Apps store.

In small teams we will work with leading Australian App developers (Appster) to create any type of App you wish, with the platform of your choosing.

The course will be run in a team format replicating the world of App development and innovation outside of the classroom with regular presentations to the class by leading experts in the field of App design and development.

### **Prerequisites**

Students must have studied Computing as a subject in the previous year. A strong interest in coding is preferred.

## **AFL DEVELOPMENT\***

Students choosing AFL Athlete Development will learn about and participate in:

- Strength and conditioning, physical preparation and fitness testing
- AFL skill and game sense development
- Study nutrition, sport psychology, recovery techniques
- Specialist coaches will to develop their AFL skills.

Students will be expected to play school football for New Town High and make a commitment to train hard each week.

**Pre-requisites-** Grade 10 students are given priority enrolment in this course.

## **ANCIENT CIVILISATIONS - Ancient Greece**

In this course students will extend and build upon the work done on Ancient Civilisations in grades 7 and 8. It will be a fast paced, exciting exploration of the following:

- The Battle of Thermopylae – Sparta and Persia
- Athens and the City State – Politics of the Parthenon
- The Peloponnesian War
- Alexander the Great

This course can be studied concurrently with Ancient Rome or as a stand- alone course.

## **ANCIENT CIVILISATIONS - Ancient Rome**

In this course students will extend and build upon the work done on Ancient Civilisations in grades 7 and 8. It will be a fast paced, exciting exploration of the following:

- The Punic Wars – Carthage and Hannibal
- The Julio-Claudian Emperors – Stories of Suetonius
- Commodus and Narcissus – the real story behind *Gladiator*
- Constantine – the birth of the Holy Roman Empire

This course can be studied concurrently with Ancient Greece or as a stand- alone course.

## **ART- DESIGN IN GRAPHIC ART**

Design in Graphic Art is a Visual Art based subject that explores Visual Communication. Students who choose this course will be given the opportunity to:

- Work from design briefs in order to solve practical problems in a creative way
- Learn how to use Photoshop (Imaging software)
- Reflect on their artworks using an online journal and this can be used in College to demonstrate their skill levels
- Gain understanding of how products are designed, created, marketed and packaged and how Visual Communication is used in our world
- Make Graphic Artworks such as magazine/book covers, advertisements, posters, infographics and packaging ideas etc.

## **ART- VISUAL ART**

Students will be able to explore creative visual thinking and problem solving by making Visual Artworks that:

- Express their own experiences, opinions and ideas
- Learn about other cultures and different ways of seeing the world around them through making, looking and reflecting on Visual Art
- Develop their technical skills through Sculpture, Painting, Drawing, Photography, Mixed-Media and Printmaking
- Use computers to research project themes and reflect on their Visual Art experiences using an online journal.

## **BASKETBALL ATHLETE DEVELOPMENT\***

Students choosing Basketball Athlete Development will further develop their basketball skills and learn about and participate in:

- Strength and conditioning, physical preparation and fitness testing
- Basketball skills work and game sense development
- Study nutrition, sport psychology, recovery techniques
- Specialist coaching to develop their basketball skills.
- Complete training to gain basic accreditation in basketball coaching and refereeing

Students will be given the opportunity to represent New Town High in basketball tournaments and other matches as organised. Students who already play Basketball are encouraged to select this course.

**Pre-requisites-** Grade 10 students are given priority enrolment in this course.

## **CIVICS, CITIZENSHIP AND ENTREPRENEURSHIP - (New for 2018)**

Civics, Citizenship and Entrepreneurship is about encouraging students to consider the ways they can participate in school, local, state, national and global communities, focusing on contemporary issues, events and case studies. Students studying this course will:

- study Australia's political and court systems and how they enable change

- examine the ways political parties, media and individuals influence the decision making processes
- examine Australia's roles and responsibilities within an international context
- explore what it means for Australia to be part of a global economy investigate the factors that influence financial decisions and the short and long term impacts of these decisions in a range of contexts.

This course is based on the ***Australian Curriculum – Civics and Citizenship Years 9 & 10*** and ***Australian Curriculum – Economics and Business Years 9 & 10***

## **COMPUTER AND GRAPHICS DESIGN – MDT**

Students will work with in a range of computer graphics packages to:

- explore 2D and 3D graphical projects and models
- create graphics posters and animated movies of their 3D models
- students will also use 3D printers to model their projects.

## **COMPUTING**

This is a general computing course designed to enhance students' overall understanding of computer concepts and practical skills, enabling them to evaluate, use and produce information technology products.

Students will study: Website Design, Computer Hardware, Graphics and Animation, Multimedia and Video, Game Programming, Robotics, Social issues and projects of their own choice.

## **COMPUTING EXTENDED\***

This course is for self-directed students who have a strong interest in Computing and would like to develop their talent further in a more flexible environment.

This course will be offered as one hour of direct teaching time per week and two hours of **supervised online independent learning in a classroom setting**. Students will complete one module per term in addition to future innovations and current ICT concepts. Course modules include: Augmented Reality, Programming, Video Editing, Graphic Modelling, Hardware and Game Design.

### **Prerequisites**

Students must have studied Computing as a subject in the previous year.

***This course will run on a Thursday afternoon after normal lessons finish.***

## **CRICKET ATHLETE DEVELOPMENT**

Students choosing Cricket Athlete Development will have the opportunity to acquire and develop advanced cricketing skills and knowledge. Students choosing Cricket Athlete Development will learn about and participate in:

- skill development (focussing on the three key areas of batting, bowling and fielding)
- game sense development and strength and conditioning
- theory lessons programs covering coaching accreditation, nutrition, sport psychology and cricket philosophy

- students will be able to gain coaching accreditation which can lead to opportunities for future employment.

In partnership with Cricket Tasmania, students will access state of the art cricket facilities, coaches and a variety of guest speakers.

## **DESIGN IN METAL**

In this course students will develop their skills and understanding about metalworking processes with a hands on approach. Students will learn about:

- metals and their properties and processes for bending, shaping, forging
- working with and uses of sheet metal
- appropriate use of hand tools and accuracy in measurements
- basic fitting and turning using a lathe
- measuring techniques particularly using Vernier Callipers
- thread cutting- internal and external
- introductory Welding processes - Oxy Acetylene, Manual Metal Arc, and Resistance welding.

## **DESIGN IN WOOD**

In this course students will develop their skills and understanding about designing and making using wood and wood products. Students will learn about:

- timber and joinery
- working and use of sheet materials;
- using hand tools with precision;
- assembly techniques;
- accurate measuring techniques;
- safe use of portable power tools and light machinery.

## **DESIGN AND CONSTRUCTION IN WOOD (SPECIALISED)**

This course has a strong emphasis on developing fine craftsmanship skills while working with Tasmanian specialty timbers. There is an increasing level of complexity and sophistication as students complete the foundation projects and then specialise in their chosen area of wood design. Throughout the course students will cover design and drawing techniques, veneering, carving, woodturning and lathe work, machining and finishing, and use of power tools.

**Please note specialist wood for particular pieces will have to be purchased by the student.**

## **DRAMA**

Students will explore the techniques of drama involving emphasis on all aspects of performance including technical requirements such as light and sound and the inclusion of multimedia as a performance tool. Students will need to show commitment and be prepared to share work with a variety of audiences. Use of puppetry and shadow work will also feature in the presentation of all work.

## **ENGLISH LITERATURE - (new for 2018)**

This course engages students in the careful reading and critical analysis of imaginative literature. Students will study novels, poems, short stories, plays, and nonfiction works to deepen their

understanding of the ways writers use language to provide both meaning and pleasure for their readers. Students will consider a works' structure, style, and themes, as well as the use of figurative language, imagery, symbolism, and tone. Students will improve their writing agility and learn to respond to different texts through different types and styles of writing including thesis-driven essays, creative works, literary explorations, and portfolio work. The course includes intensive study of representative works from various genres and periods, concentrating on works of recognised literary merit. Students will also be introduced to the key concepts and skills for literature study at the pre-tertiary level.

## **FOOD STUDIES**

This course is aimed at students who have a keen interest in cooking. Students are given opportunities to develop and use their design skills and technological abilities to generate, produce and evaluate solutions for authentic needs. Further study extends to a deeper understanding of safe food handling, food preservation, nutrition, special dietary needs, impact of migration on Australia's evolving cuisine and food planning for festive occasions. Challenges may include the design, production and evaluation of food suitable for a client with a specific dietary need; a multicultural banquet and festive cookery.

All students will need to supply a medium sized lidded-container to take their cookery home.

## **FRENCH**

*Vive le français  
Oh là, là, c'est magnifique  
La langue de l'amour !*

Learning a language enhances literacy and social skills.

Through studying French, students will be able to:

- use French to communicate with others in authentic situations;
- understand French as a system;
- understand and appreciate the cultural context in which French is used;
- make connections between English and French;

There will be a focus on developing:

- pronunciation, intonation, stress patterns and accents.
- speaking and listening for particular purposes.
- key sentence structures and grammatical forms.
- key communicative functions for exchanging information, expressing attitudes and opinions, getting things done
- developing a repertoire of communicative references to *events, time, quantity, colour, size and value.*

## **GAME APP DESIGN**

In this course students will get the chance to create your own stand-alone game completely from scratch, including the images and sounds. Students will also have the chance of it being submitted to the app store for others around the world to download.

Students will create their own sprites, backgrounds, animations and eventually your original stand-alone game completely of your own design and making. Then market and advertise their game before finally submitting the game to the app store for approval and hopefully upload for others to

access. This is not just a course on how to make games, this is a course on how to make successful games.

Please note: **You cannot do both Game APP design and App Development**

## **GEOGRAPHY EXTENDED**

Keen Geography students will have the opportunity to extend their geography skills. Students will use real world examples to broaden their knowledge of various landscapes, the people who inhabit them and how they are managed. In this course students will complete;

- an in-depth study of at least two specific environments - chosen by the student – One being a local environment and the other a global environment.
- a study of the geography of human wellbeing. Focusing mainly on the differences in human wellbeing across a variety of places and environments and how this is currently managed and will be managed in to the future.
- the final project for this course which will involve students choosing an environmental issue that is currently effecting a specific environment and presenting this information along with potential solutions to the issue.

## **GOLF ATHLETE DEVELOPMENT PROGRAM**

Students will be given the opportunity to build on and develop their golfing skills both in theory and in practice. They will also experience the difficulties associated with physical and mental aspects of golf and research techniques to help overcome problems to improve skill acquisition.

In this course students will learn about:

- strength and conditioning/physical preparation
- skill and game sense development
- skill acquisition, sport psychology and recovery theory and techniques

Professional coaching will be provided through The Royal Hobart Golf Club to develop their golf skills. Students are expected to represent New Town High School in the golf team. Previous golfing experience is preferred.

- **Please note: Priority is given to Grade 10 students first in this course**

## **GREAT SCIENCE**

This subject is for students with a strong interest in science. Students completing this course will;

- complete interesting and engaging science activities
- experience the processes through which scientific knowledge and understanding are developed
- use scientific methods to devise solutions to problems arising from their own needs

This course is designed to prepare students who plan to study Science at college and beyond.

## **INNOVATION, ENTREPRENEURSHIP AND THE GLOBAL WORLD (new 2018)**

This course is all about Problem solving, creative thinking and the global marketplace. Students will have the opportunity to explore elements of the grade 9 and 10 Australian curriculums for both Business & Economics and Civics & Citizenship. The focus for this course will be;

- learning some fundamental theories and skills relating to business in the global world.

- undertaking an investigation of a specific economic or business issue.
- the course will culminate with students creating their own 'fictional' entrepreneurial business and developing a presentation to explain how their business will be successful and why there is a place for their business in the global marketplace.

## **INVENTORS WORKSHOP (Full or Half Year)**

This course is for students who love solving problems, making things and learning about how things work.

In Inventors workshop, students will not only have fun but will learn important STEM skills. STEM is the combined study of Science, Technology, Engineering and Maths. With support and inspiration from Engineers Australia, students will learn how to apply science, engineering, technology and maths principles, along with a little bit of artistic flair, to solve lots of different problems and challenges.

## **JAPANESE**

Through studying this language, students will be able to use Japanese to communicate with others in authentic situations, understand Japanese as a language system, understand and appreciate the cultural context in which Japanese is used and make connections between Japanese and English.

There will be a focus on developing students' skills in:

- pronunciation, intonation, stress patterns and accents
- reading and writing of the Hiragana script, the Katakana script and prescribed Kanji
- speaking and listening for particular purposes
- key sentence structures and grammatical forms

## **MATHEMATICS EXTENDED (Year 9 only)\***

In this course a framework for thinking, problem solving and acquisition of powerful, logical and concise communication skills are developed. Apart from enhancing students' achievement in their normal Year 9 Mathematics program, it will set a solid foundation for the Mathematics Methods Foundation course in Years 10 or 11. Areas of study will include Geometry, Statistics and Algebra.

**Pre requisites** ; Students are expected to have a strong liking for Mathematics and have attained at least a "C" rating in Year 8 Mathematics. Students should be willing to do extension work beyond the normal Year 9 level Mathematics.

## **MATHEMATICS ADVANCED (Year 10 only)\***

Students will study the areas of algebra, functions and their graphs, calculus and probability. These are necessary prerequisites for the study of Mathematics Methods, TQA level 3 course in Years 11 and 12 and provides a foundation for those courses and disciplines in which mathematics has an important role, for example, engineering, the sciences, economics, health and social sciences. The aim is to develop students' understanding of concepts and techniques, reasoning, capacity to communicate and choose and use technology appropriately and efficiently.

**Pre requisites:** Attainment of at least a "C" rating (preferably a "B" rating) in Year 9 Mathematics and have studied Mathematics extended in Year 9. Students are expected to have a desire to dedicate additional time and persevere with challenging situations and problem solving.

## **MARINE AND ANTARCTIC SCIENCE (Full or Half Year)**

In this course students with a keen interest in oceans and marine environments will learn about a wide range of topics including;

- marine environments
- Antarctic explorers
- Antarctic marine science and the life of scientists studying in Antarctica
- science of fishing, research and sustainability.

Students will have no end of opportunities to explore the science as well as the human side of working both in the Marine and Antarctic Environment.

## **MUSIC PERFORMANCE GRADE 9\***

Music is a practical subject that focuses on students playing, practicing and performing on their instrument. This course involves creativity, theoretical, practical and performance work through which students develop musical skills and knowledge. In this course students will be involved in:

- playing an instrument, either brass, woodwind or an acoustic guitar
- class band/class guitar ensemble
- solo and ensemble performances
- individual instrument practice
- creating compositions and performances
- developing skills in reading and writing music notation.

Extra-curricular program includes Senior Concert Band, Guitar Ensemble, Brass Ensemble, Jazz and Woodwind Ensembles, Music Tours and School Productions, and combined New Town/Ogilvie High School projects.

\*Grade 9 Music students must be available to participate in a music ensemble. Music ensembles rehearse after school.

## **MUSIC PERFORMANCE GRADE 10**

This is a practical subject that focuses on students playing, practicing and performing on their instrument. Grade 10 students will further refine their instrument playing and performance techniques and develop a broader general understanding of musical forms and styles through listening, performance, analysis, historical study, musical arrangement, music reading and composition.

Grade 10 students are invited to extend their musical knowledge in extra-curricular school activities which include Senior Concert Band, Guitar Ensemble, Brass Ensemble, Jazz and Woodwind Ensembles, Music Tours and School Production. Combined New Town/Ogilvie High School projects. Combined New Town, Ogilvie and Elizabeth College Stage Band.

\*Grade 10 Music students must be available to participate in a music ensembles either the brass ensemble, woodwind ensemble, guitar ensemble or stage band. Music ensembles rehearse after school.

## **SOCCER ATHLETE DEVELOPMENT\***

Soccer Athlete Development's primary aim is to develop a high quality soccer learning environment so students can build upon existing soccer skills and knowledge. Students choosing this course must be willing to develop physical game skills and fitness characteristics, both in school time and after hours.

Course content will include the following focus areas:

- physical preparation, strength and conditioning, training and fitness testing
- individual skills work and game sense development
- soccer and sports theory (nutrition, sports psychology, recovery, etc.)
- specialist coaching to develop both soccer skills, refereeing and coaching skills
- represent NTHS by participating in tournaments and soccer matches.

\*Priority is given to Grade 10 students.

## **SPORT SCIENCE GRADE 9**

Grade 9 Sports Science involves participating in sports, researching how the human body adapts to types of training, testing theories through experiments and completing research assignments. This course involves both theory and practical lessons. Grade 9 Sports Science topics include:

- how the skeletal system responds to sports
- how the bodies energy systems operate during sporting activity
- game day preparation
- design your own sports related fitness tests
- technology and innovation in sport
- sports injuries
- sport in society.

## **SPORTS SCIENCE GRADE 10**

Students can choose Grade 10 Sports Science even if they did not study Sports Science in Grade 9.

Grade 10 Sports Science provides an exciting opportunity for any student who is interested in sport and recreation and wants to further their understanding of how the human body scientifically relates and reacts to different sports and physical activity. It is encouraged that if you elect to do this subject that you enjoy playing sports and/or recreational activities as well as enjoying researching scientific based information as this subject involves both theoretical and practical based working environments.

Grade 10 Sports Science subject topics include:

- activity practicals to research the skeletal system
- fuels and energy systems
- sporting Nutrition and Hydration
- how to enhance athletic training performance
- researching and understanding your ultimate athlete.

## **VISUAL EFFECTS**

Explosions! Aliens! Superpowers! Anything is possible! Students be a master of manipulating visual technology; developing 3D models and games, capturing and editing digital film, constructing animations and integrating advanced effects.

There will be a range of team-based challenges to complete and students will also be able to select from a range of different projects to advance their individual skills. Students will be provided with opportunities to show their talent in state and national competitions, including Tropfest and the MyState Film Festival. Be prepared to impress everyone with what you will learn.

## **YEAR 9 FUTURE PATHWAYS TO WORK \***

In Year 9 students are exposed to concepts and contexts (classroom theory) and practical workplace skills. The course covers skills for learning and work, and career and life design.

There is focus on students familiarising themselves with skills, knowledge and capacities required to build foundations for learning and work in the 21st century.

***Students intending to enrol in this course must see Ms Isles prior to enrolment.***

***NB: There is a compulsory theory section of the course to be completed throughout the year in order for work placement to be attended.***

## **YEAR 10 FUTURE PATHWAYS TO WORK**

In Year 10 the concepts and skills introduced in Year 9 are investigated and developed at a higher level.

This year 10 course covers two main interrelated strands: skills for learning and work, and career and life design.

Students are encouraged to be increasingly independent and self-directed learners.

All students will need to present a Resume or similar prior to enrolment in the Year 10 course to assist with the work placement processes.

Parent/guardians and students need to discuss expectations and demands of the subject with the current teacher of Work Related Learning prior to enrolment.

***Students intending to enrol in this course must see Ms Isles prior to enrolment.***

***NB: There is a compulsory theory section of the course to be completed throughout the year in order for work placement to be attended.***

## **WRITERS' WORKSHOP**

Writers' Workshop is for senior students who love to write.

Budding novelists, journalists, poets, biographers, songwriters and sports reporters will all find the course highly useful, relevant and engaging.

Students will learn a host of writing techniques, strategies and styles through participating in whole-class activities and free-choice writing.

A focus will be placed on writing for **real audiences** and opportunities will be provided to have pieces included in **real publications**. Students will listen to, work with and learn from **real working writers** – people who make their living from the power of words.

Writers' Workshop is highly recommended for students wishing to pursue possible careers as writers, as well as those boys seeking an outlet for their creativity and imagination.

## **YOUNG AUSTRALIANS PLAN FOR THE PLANET- (Full or Half year)**

New Town High School was selected as part of an exclusive group of 20 High Schools around Australia to participate in this innovative program focusing on the Eco zones of Hobart and Antarctica. Plan for the Planet is designed to promote and deliver the United Nations Sustainability and Development Goals based on its integration of science, economics and geography knowledge and its focus on leveraging business management, leadership and teamwork principles and practice to develop and deliver local, regional and globally sustainable outcomes.

This program gives our students a voice in planning for their future.

Students will learn how to:

- Work within a team
- Connect and work with Local, State and National Government officials.
- Connect with experts at the University of Tasmania for development of knowledge and insight into local environmental, social, and political issues.
- Work with United Nations Youth representatives.
- Learn about business structure processes with business and management leaders.
- Have their voice heard for the future of our planet.

Students of New Town High will combine their plan with the other school plans from across Australia and act as ambassadors for other national and international schools, to create the national 'Plan for the Planet', which will be presented to the Prime Minister in Science Week 2018.

## **HALF YEAR COURSES**

To study any half year courses students must choose:

- **4 Half Year Courses** and at least **2 reserve subjects**.

This is in case some do not run. Failure to do this correctly will mean you cannot submit your receipt.

***Courses with \* have pre-requisites please check course description.***

## **BREAK THE INTERNET**

Students look at the effects that advertising, pornography, social media, and online communications have on their lives. Through the lens of sociology, students determine how popular culture infiltrates their personal lives, how it influences their relationships with family, friends and intimates, how it impacts their life choices.

Grade 9/10 students will have the opportunity to deconstruct and analyse their place in these socio-cultural factors and more importantly determine if they will allow these factors to limit them, define them or are the things that they prevail over.

## **COOKING FOR EVERYDAY OCCASIONS**

Students will learn both basic and advanced cooking techniques to further their interest in food studies or take up an opportunity to prepare food and learn the necessary skills to be independent in the future.

In this half year course students will plan and prepare a variety of dishes, commencing with healthy breakfasts and lunches as well as food suitable for evening meals, desserts and sweets, concluding with festive cookery.

Students will prepare recipes individually or in small groups, sharing as a buffet meal. As with all practical sessions, students will learn about being safe and hygienic in the kitchen environment. It is a requirement for all students at New Town High to bring a small container to all practical lessons.

## **DRAMA GAMES AND IMPROVISATION**

This is a half year course designed to give students an opportunity for self-expression and discovery, and the development of confidence through participation in Drama Games, Role Play and Improvisation.

Role plays will be undertaken in everyday contexts with which students may already be familiar, for example, interviews for the workplace, matters concerning friendships and relationships. The course is not performance orientated, but rather for individual personal development.

## **DIGITAL ART**

In this course students will be given the opportunity to:

- Learn digital image making processes using Photoshop, develop a comic strip and then explore basic animation
- Make Visual Art that reflects student individual interests
- Learn skills that can be used in a range of other learning areas such as Visual Art, Design in Graphic Art, Film, Computing or Computer Aided Design (CAD).

## **ELECTRONICS**

Students will gain a basic understanding of electronics through the construction of simple projects using resistors, diodes, capacitors and transistors. Appropriate theory will also be included to enable students to understand the functions of individual components in a circuit.

Once the compulsory projects are completed students can build more advanced projects of their own choice including projects that use simple programmable micro-processor integrated circuits. This subject requires a sound understanding of mathematical processes and a genuine interest within the fields of science and engineering.

## **FIRST AID AND SPORT INJURIES**

This course teaches students clear and simple first aid procedures and techniques for any medical or emergency situation. Students gain hands-on experience in bandaging, slings, splints, wound dressings and treatment of sports injuries.

There is a strong emphasis on proficient performance of CPR (cardiopulmonary resuscitation) and in conducting an emergency action plan. Students will be required to evaluate, assess and treat according to specific emergency scenarios and compile their own first aid booklet to demonstrate their knowledge and understanding of the topic.

## **FUTSAL**

Students have the opportunity to develop their ability to organise, administer and compete in futsal tournaments and coach and manage teams for competition.

Students will be given instructions in the following:

- skill development;
- coaching practice;
- managing game/practice environments, and
- tournament Organisation.

Students will fulfil roles such as umpiring, coaching, managing, member of a sports committee, and take ownership of running a futsal competition during the course.

## **MASTER CHEF**

This is a hospitality course in food studies. It is aimed for students wishing to pursue a career in foods and catering.

Students will have the opportunity to gain some entry certificate skills in food preparation. It is hoped that students will participate in cookery competitions either within the school, local community or as a national event.

Guest chefs from local restaurants and providores will attend some of the theory or demonstration lessons, so students will have an opportunity to discuss with members of the industry what a career in foods may look like.

As with other food studies courses, a small container is required for lessons.

## **MEDITERRANIAN AND ASIAN FOOD**

This course will include learning about, and cooking food from Southern European Countries. In addition to the practical component, theory lessons will focus on exposing the food history and habits, which form such a rich part of the general cultures of these areas.

As well, students will study many of the Asian nations to examine food culture, different ingredients and cooking methods. The countries of Vietnam, Malaysia, Thailand, Japan and China will all feature in this unit of work.

The practical component will include a variety of recipes and aims to expose students to not only the food history of these areas, but the current trends and special dishes which we commonly associate with these regions.

Appropriate and relevant homework will be set to further enhance the theoretical component of this topic.

Practical sessions may take the form of individual projects, team tasks and on occasions the provision of buffet style lunches. Many of the dishes may involve consumption at school. A small container is required for students to take home food samples.

## **MIND FIT**

In this course students will learn, and practice, many established and proven techniques, strategies and exercises that really improve our ability to focus in distracting or stressful situations and become more resilient.

Students will have the opportunity to experience:

- techniques to improve mental and physical focus.
- Tai Chi, Chi Gung and other physical exercises designed to release tension and increase positive energy in the mind and body.
- mental techniques for calming the mind and emotions.
- a range of traditional meditation practices.

There will be time spent practising to further develop our level of relaxing. Daily practice will be greatly encouraged.

## **MUSIC MEDIA AND DESIGN**

This is a practical music course combining rock studies and music technology. Students will use contemporary rock music (voice, guitar, bass guitar, drum kit and keyboard) to create multimedia music. Students will be involved in rehearsal techniques, using technology, sound and video design. Students are expected to work in groups and collaboratively rehearse cover songs and/or their original compositions.

Students will become familiar with music software used in the commercial music industry to create their own looped based music and add video footage to their songs.

Introductory Rock students will participate in the following activities:

- use of basic rock band techniques;
- use of individual instrumental/vocal skill;
- use of ICT and digital/analogue recording hardware and software programs;
- use of music technology;
- create contemporary music projects;
- import/export multimedia projects.

## **OUTDOOR EDUCATION \***

This course will allow students to explore the marine environment, learn about snorkeling/kayaking equipment and how to use it, and learn how to identify native and introduced marine species. Students will also develop their aquatic confidence through participation in snorkeling and kayaking activities. In the cooler months students will experience a variety of short walks on Mt. Wellington

and surrounding areas. They will also learn navigation and weather interpretation skills. The course will culminate with a multi-day walk in the Freycinet National Park.

**\*Students must be able to swim 200m of any stroke.**

## **PHOTOGRAPHY**

In Photography students will learn how to take and work with photographs. Students will:

- Develop a basic technical understanding of Digital Photography
- Use a camera effectively for a range of different purposes
- Understand the differences between photographic genres such as Portrait Photography, Journalistic Photography, Sport Photography etc.
- Understand what makes a good photograph and what makes a bad photograph
- Make photographs that can then be exhibited on Face Book, as a slide-show or printed in hardcopy.

## **ROBOTICS**

This STEM (Science, Technology, Engineering and Mathematics) course is a beginning course in robotics. We will be utilizing Lego Mindstorm kits, Robolab software and various Lego Robotics materials. The objective of this course is to introduce the student to basic programming as well as problem solving strategies. The course will involve the development, building and programming of a LEGO Mindstorm robot. Students will collaborate to design, build, program and document their progress.

This course will allow students to experience building and program basic robotics and is aimed at allowing students to compete in the national Robo Cup competition.

## **ROCK MUSIC STUDIES**

This course is designed as an introduction to the formation of rock groups. Students are expected to work in groups and collaboratively rehearse cover songs and/or their original compositions.

Rock students will participate in the following activities:

- basic rock band techniques;
- individual instrumental/vocal skill;
- describe the set up and function of a band, PA equipment, amplifiers, drum kits, guitars, keyboards and horn section;
- observe adequate safety tips relevant to rock band rehearsal and performance such as monitoring acceptable sound levels; and
- use of ICT and digital/analogue recording hardware and software programs.

## **SCHOOL PRODUCTION (New 2018- Terms 3 and 4)**

Students choosing this course will take part in a new school production in 2018. Exciting opportunities will exist for boys to develop their skills in a variety of lead and supporting roles, backstage support and event organisation. Roles in the school production will be decided through an audition process and rehearsals for the production will be held both during class time and after school.

## **SMALL ENGINES**

In this course students will learn all about small petrol engines. During this course students will learn about;

- engine problems and how to fix them
- engine maintenance and procedures for Honda four-stroke engines
- explore environmental issues related to combustion engines.

## **SPORTS FITNESS**

Sports fitness is designed to expose students to a range of strength and endurance training principles and how these can be applied to sports. During all strength training, strict safety protocols are followed and students are encouraged to focus on the correct exercise technique. Lifting of weights is allowed only once correct technique has been demonstrated.

Aerobic conditioning also forms a key component of the course, with interval training, fartlek, and sprint work and group activities all used to develop the endurance running base of students.

Testing of a variety of fitness components is completed and students are then expected to work towards improving key areas of their fitness profile. Students will also learn about some basic nutrition.